

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050532.D
 Acq On : 10 Aug 2018 21:34
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/13/2018 11:05:48 AM

Quant Time: Aug 11 05:17:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	641070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	939095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	855307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	457509	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409840	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	7.59	113	376545	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.09	98	1387005	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.40	95	466342	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	323663	45.48	ug/l	99
3) Chloromethane	2.06	50	400778	47.59	ug/l	100
4) Vinyl Chloride	2.18	62	427812	46.45	ug/l	98
5) Bromomethane	2.56	94	234572	52.52	ug/l	97
6) Chloroethane	2.70	64	261503	46.08	ug/l	100
7) Trichlorofluoromethane	3.01	101	579982	48.75	ug/l	100
8) Diethyl Ether	3.41	74	205508	47.11	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	356222	48.45	ug/l	100
10) Methyl Iodide	3.95	142	189816	58.60	ug/l	99
11) Tert butyl alcohol	4.80	59	129976	188.90	ug/l	99
12) 1,1-Dichloroethene	3.73	96	324517	46.82	ug/l	97
13) Acrolein	3.61	56	93780	113.49	ug/l	98
14) Allyl chloride	4.32	41	510246	45.84	ug/l	97
15) Acrylonitrile	4.99	53	656200	227.68	ug/l	99
16) Acetone	3.82	43	574187	224.75	ug/l	100
17) Carbon Disulfide	4.05	76	933941	41.44	ug/l	99
18) Methyl Acetate	4.33	43	340219	51.26	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	948589	48.22	ug/l	100
20) Methylene Chloride	4.55	84	383008	49.00	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	358320	47.78	ug/l	99
22) Diisopropyl ether	5.96	45	1164212	51.20	ug/l	98
23) Vinyl Acetate	5.90	43	3947151	243.32	ug/l	100
24) 1,1-Dichloroethane	5.85	63	684897	49.09	ug/l	99
25) 2-Butanone	6.84	43	931606	219.49	ug/l	100
26) 2,2-Dichloropropane	6.83	77	451180	39.23	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	404305	48.64	ug/l	99
28) Bromochloromethane	7.20	49	325031	50.61	ug/l	99
29) Tetrahydrofuran	7.22	42	503338	221.56	ug/l	100
30) Chloroform	7.37	83	698740	50.10	ug/l	100
31) Cyclohexane	7.66	56	580144	47.21	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	583742	48.73	ug/l	100
36) 1,1-Dichloropropene	7.80	75	520246	50.42	ug/l	99
37) Ethyl Acetate	6.93	43	346748	46.67	ug/l	99
38) Carbon Tetrachloride	7.78	117	519132	48.23	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	528115	46.89	ug/l	99
40) Benzene	8.04	78	1564216	49.31	ug/l	99
41) Methacrylonitrile	7.18	41	183130	46.35	ug/l #	80
42) 1,2-Dichloroethane	8.13	62	491781	48.83	ug/l	100
43) Isopropyl Acetate	8.17	43	616864	48.09	ug/l	99
44) Trichloroethene	8.84	130	406979	47.75	ug/l	100
45) 1,2-Dichloropropane	9.12	63	419416	50.29	ug/l	98
46) Dibromomethane	9.21	93	251564	48.85	ug/l	99
47) Bromodichloromethane	9.41	83	531372	49.81	ug/l	99
48) Methyl methacrylate	9.20	41	305607	47.54	ug/l	98
49) 1,4-Dioxane	9.20	88	82246	829.93	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2134327	231.04	ug/l	99
52) Toluene	10.16	92	964560	50.62	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	512961	47.89	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	595976	49.86	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	363195	48.82	ug/l	99
56) Ethyl methacrylate	10.43	69	462125	44.11	ug/l	98
57) 1,3-Dichloropropane	10.71	76	598726	49.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1099677	224.87	ug/l	100
59) 2-Hexanone	10.75	43	1429145	221.67	ug/l	99
60) Dibromochloromethane	10.90	129	404668	49.38	ug/l	99
61) 1,2-Dibromoethane	11.01	107	356355	48.60	ug/l	99
64) Tetrachloroethene	10.63	164	386555	48.37	ug/l	99
65) Chlorobenzene	11.44	112	1045813	48.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	396670	50.83	ug/l	99
67) Ethyl Benzene	11.51	91	1790102	51.65	ug/l	100
68) m/p-Xylenes	11.62	106	1390342	105.37	ug/l	99
69) o-Xylene	11.95	106	658652	51.82	ug/l	100
70) Styrene	11.96	104	1107527	53.58	ug/l	99
71) Bromoform	12.13	173	280186	49.12	ug/l #	99
73) Isopropylbenzene	12.25	105	1754514	51.09	ug/l	100
74) N-amyl acetate	12.07	43	510292	45.84	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	460707	46.50	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	379237m	45.79	ug/l	
77) Bromobenzene	12.53	156	452439	49.18	ug/l	99
78) n-propylbenzene	12.59	91	2012807	51.78	ug/l	100
79) 2-Chlorotoluene	12.68	91	1203823	50.14	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1456222	52.23	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	103769	44.03	ug/l	99
82) 4-Chlorotoluene	12.77	91	1225073	51.17	ug/l	99
83) tert-Butylbenzene	12.99	119	1228807	50.53	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1490857	52.79	ug/l	100
85) sec-Butylbenzene	13.17	105	1624388	50.11	ug/l	100
86) p-Isopropyltoluene	13.29	119	1420020	51.12	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	808149	49.32	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	791063	48.34	ug/l	100
89) n-Butylbenzene	13.62	91	1141263	48.26	ug/l	100
90) Hexachloroethane	13.88	117	239155	48.41	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	784004	47.73	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68494	40.71	ug/l	99

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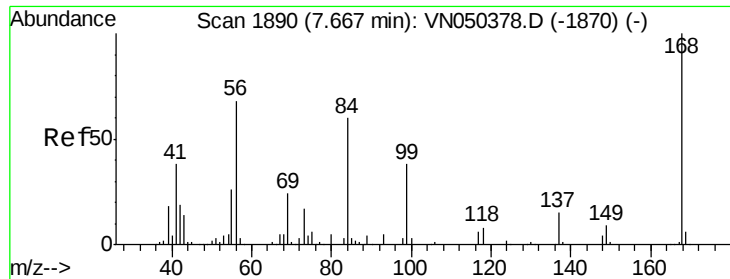
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	397924	47.56	ug/l	99
94) Hexachlorobutadiene	15.01	225	224417	49.07	ug/l	99
95) Naphthalene	15.13	128	870593	40.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	384216	45.42	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 641070

Ion Ratio Lower Upper

168 100

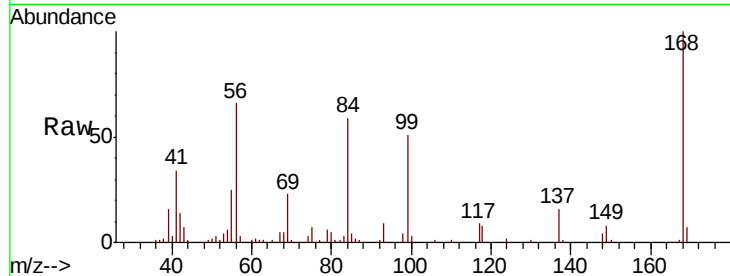
99 51.1 40.0 60.0

Manual Integrations

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8/13/2018 11:05:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

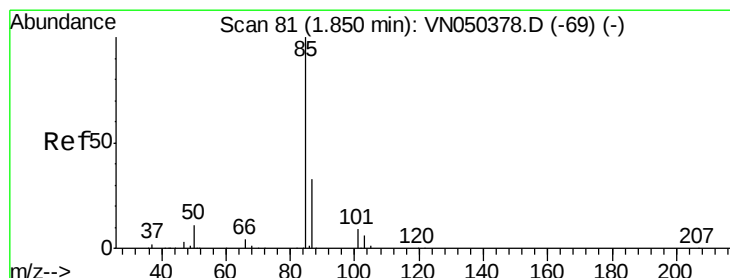
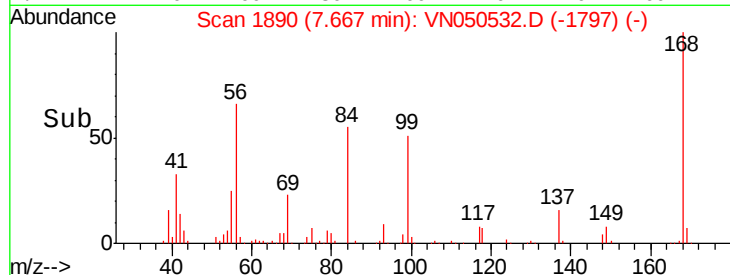
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.48 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050532.D

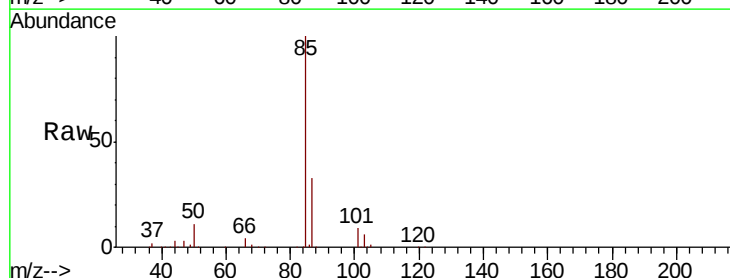
Acq: 10 Aug 2018 21:34

Tgt Ion: 85 Resp: 323663

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

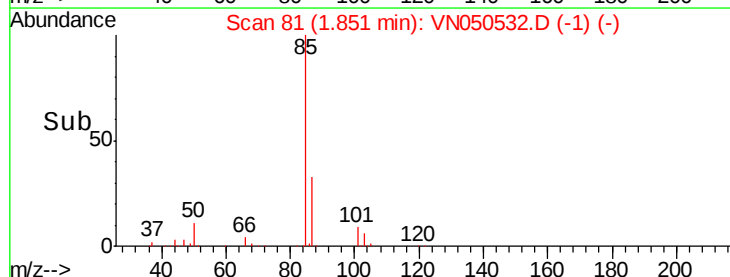
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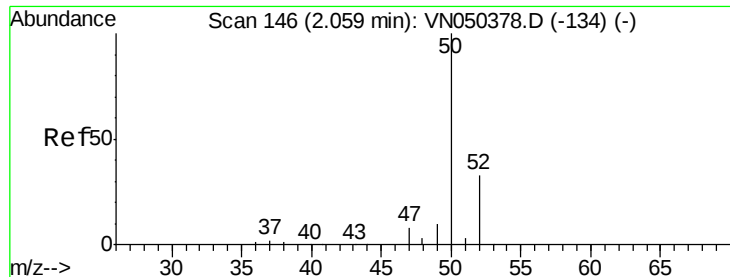
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.59 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 400778

Ion Ratio Lower Upper

50 100

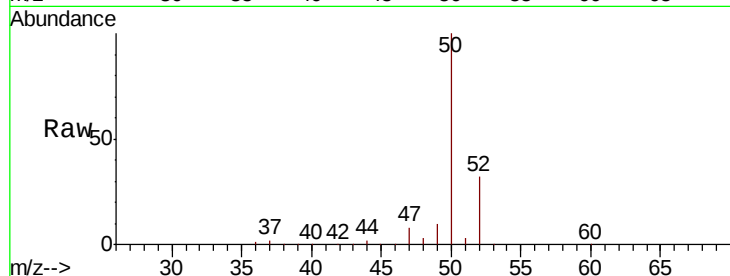
52 32.4 25.9 38.9

Manual Integrations

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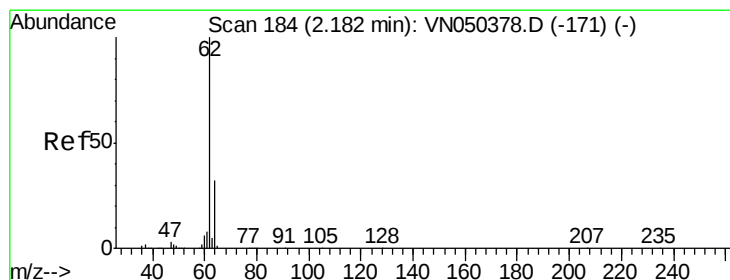
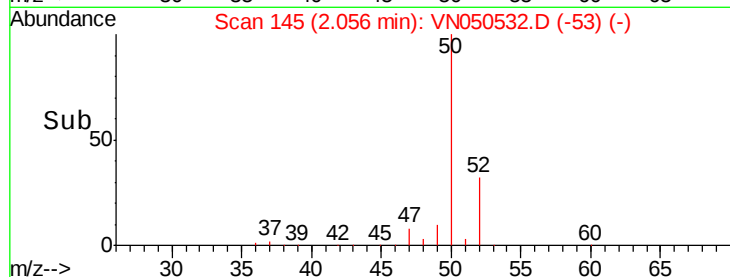
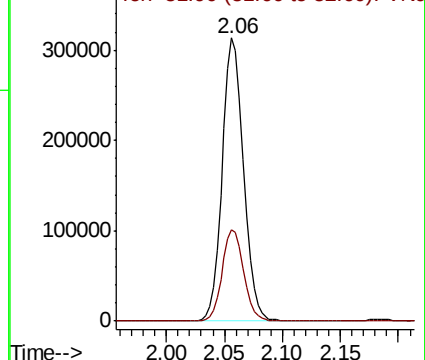
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 46.45 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050532.D

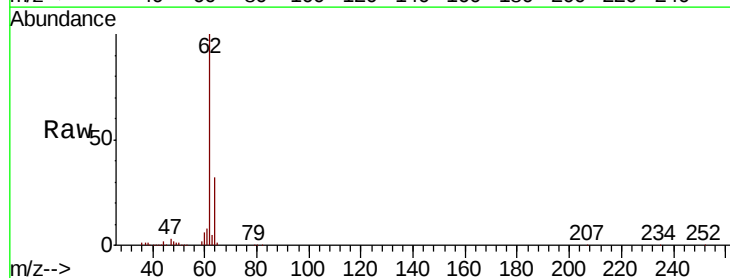
Acq: 10 Aug 2018 21:34

Tgt Ion: 62 Resp: 427812

Ion Ratio Lower Upper

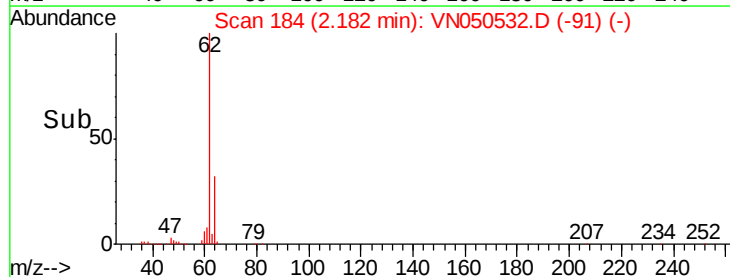
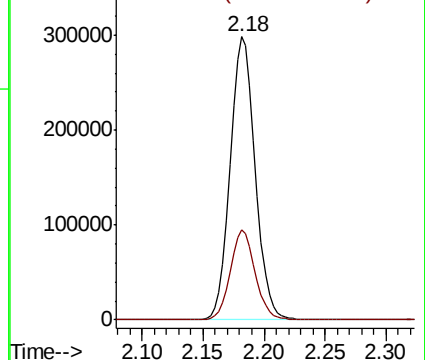
62 100

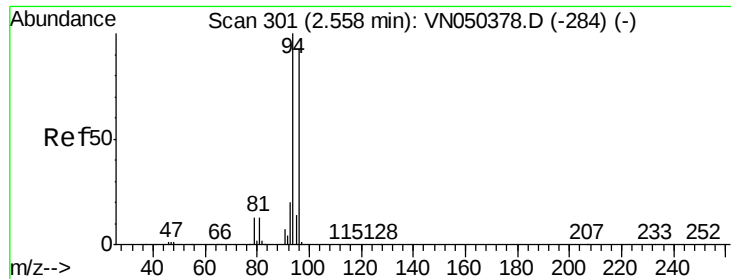
64 31.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 52.52 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 234572

Ion Ratio Lower Upper

94 100

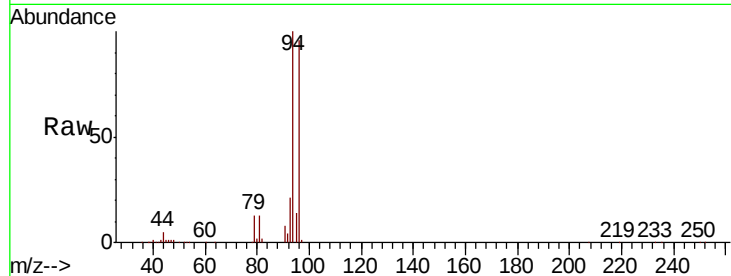
96 96.1 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.56

120000

100000

80000

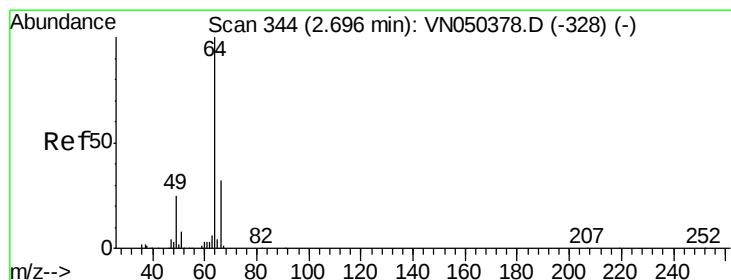
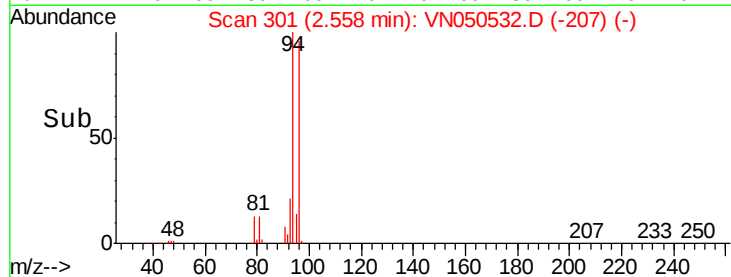
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.08 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050532.D

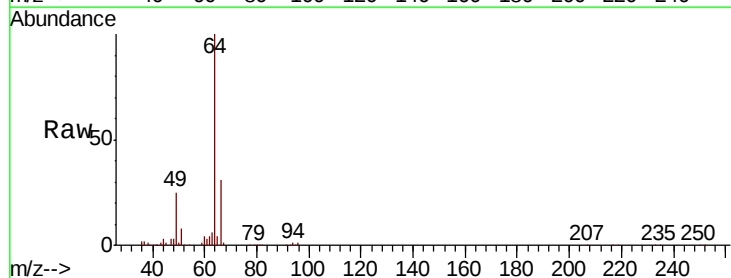
Acq: 10 Aug 2018 21:34

Tgt Ion: 64 Resp: 261503

Ion Ratio Lower Upper

64 100

66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.70

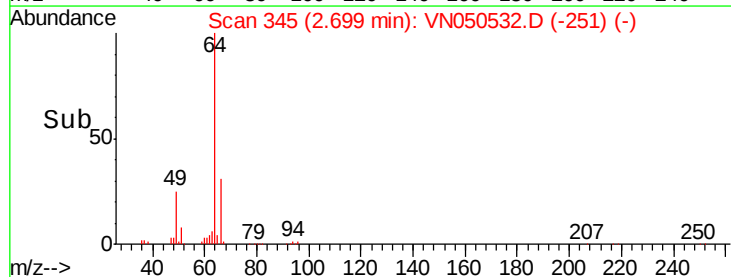
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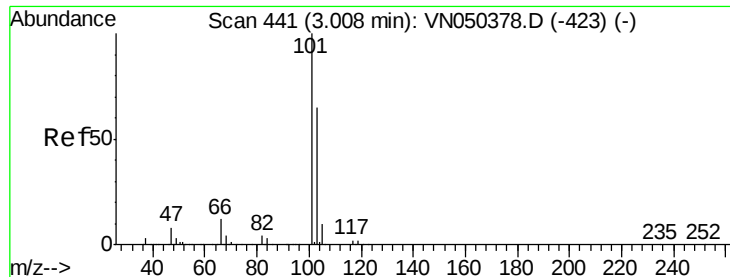
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50000

0

Time-->





#7

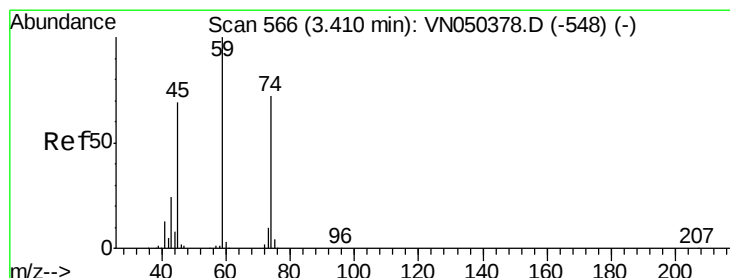
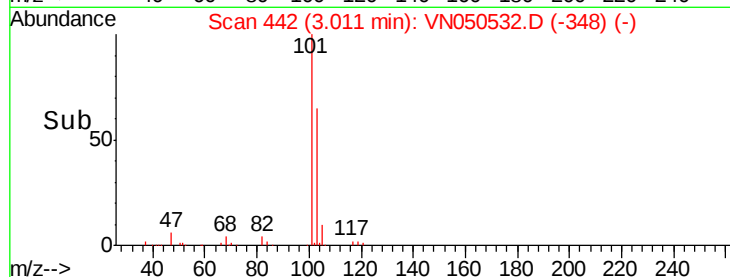
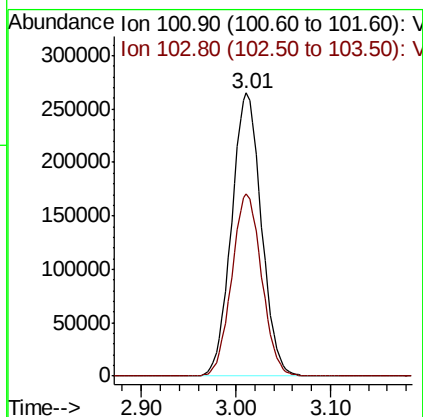
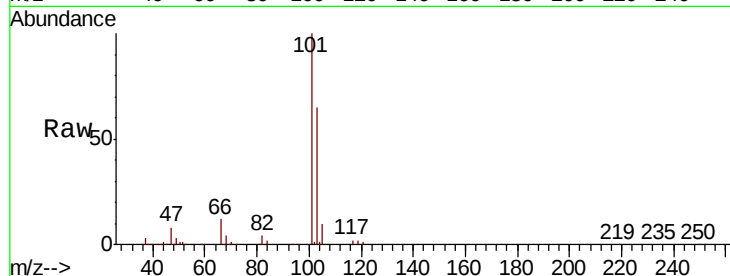
Trichlorofluoromethane
Concen: 48.75 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

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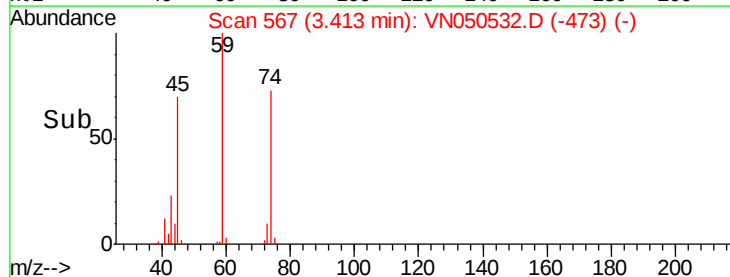
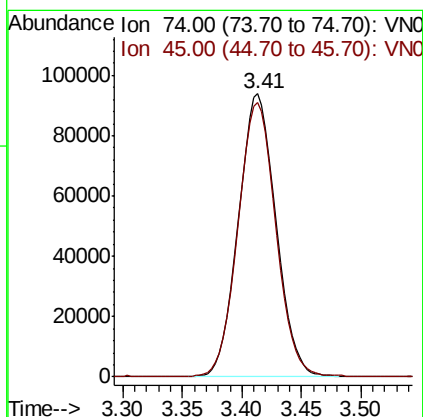
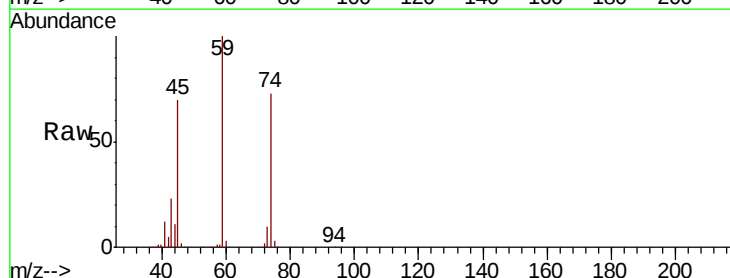
MMDadoda
8/13/2018 11:05:48 AM

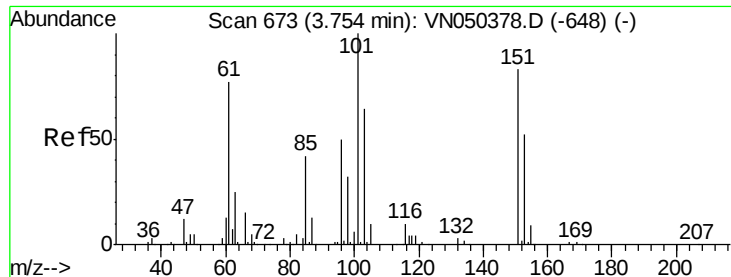


#8

Diethyl Ether
Concen: 47.11 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.45 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

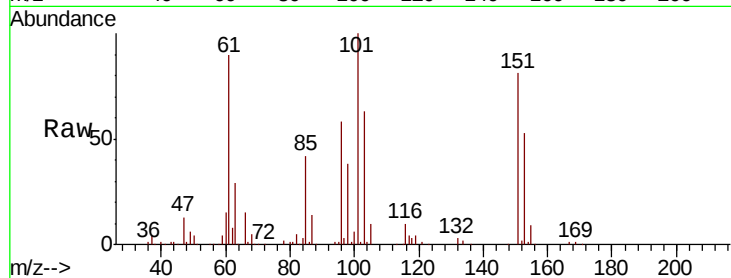
ClientSampleId :

VSTDCCC050

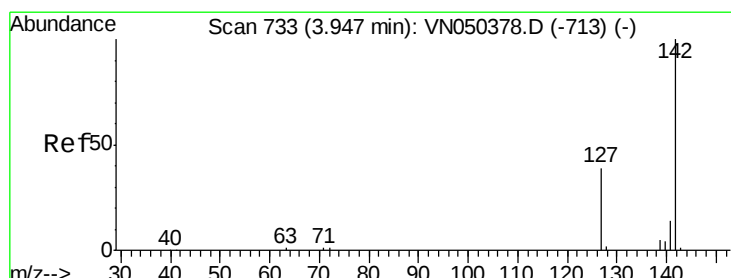
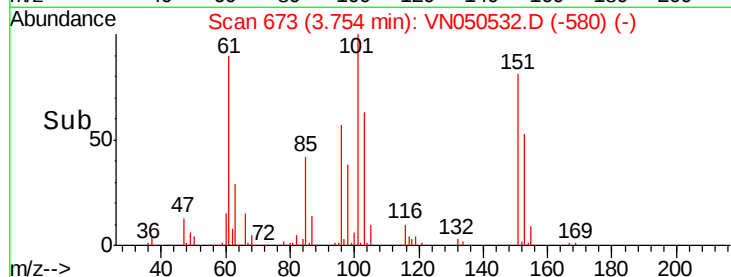
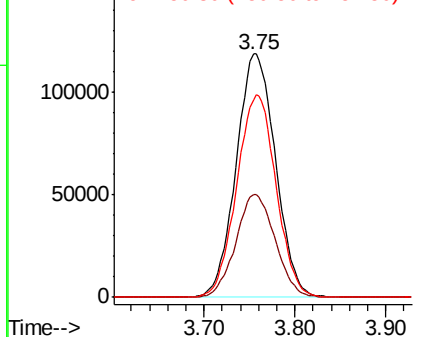
Tot Ion:	101	Resp:	356222
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	83.2	66.3	99.5

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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: 58.60 ug/l

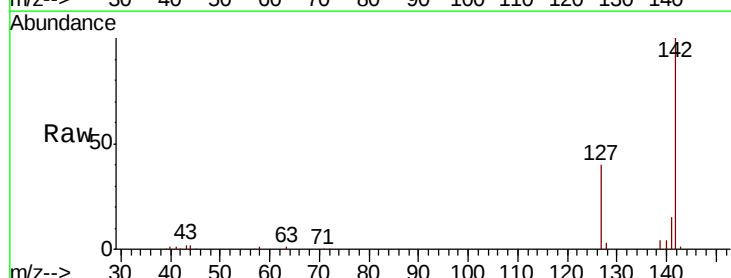
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

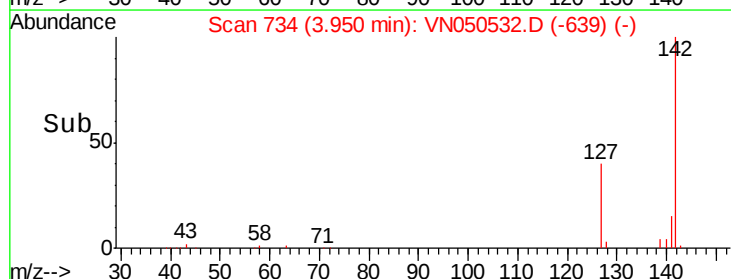
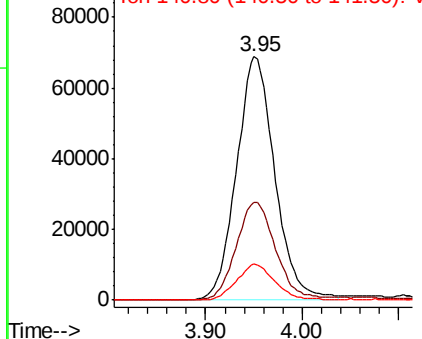
Lab File: VN050532.D

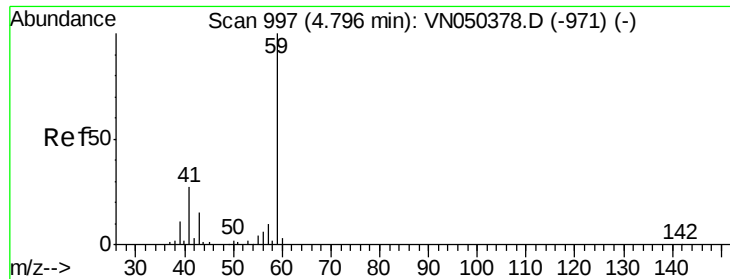
Acq: 10 Aug 2018 21:34

Tgt Ion:	142	Resp:	189816
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.4	50.2
141	14.5	11.6	17.4



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





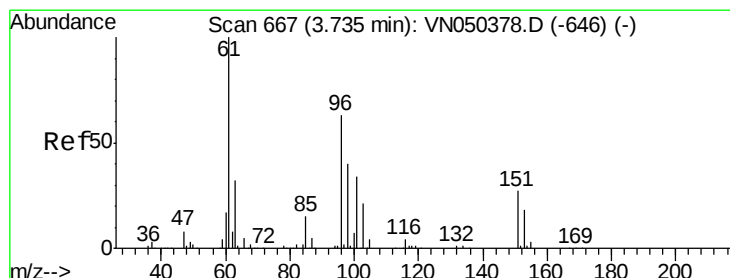
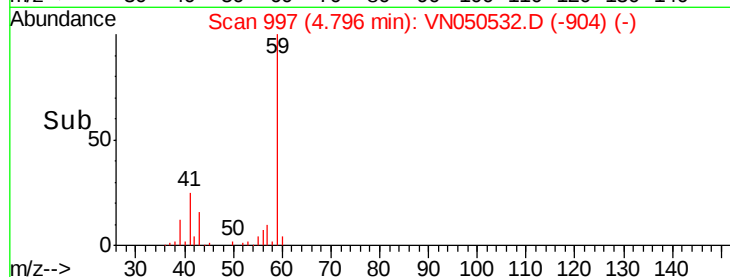
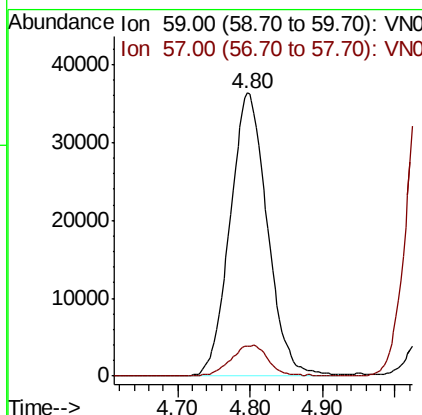
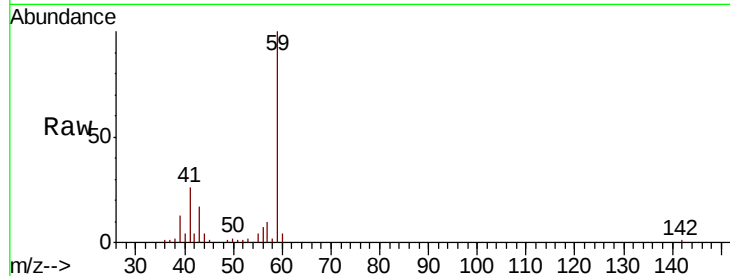
#11
Tert butyl alcohol
Concen: 188.90 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

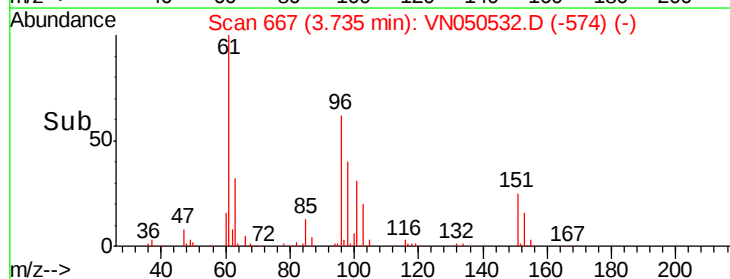
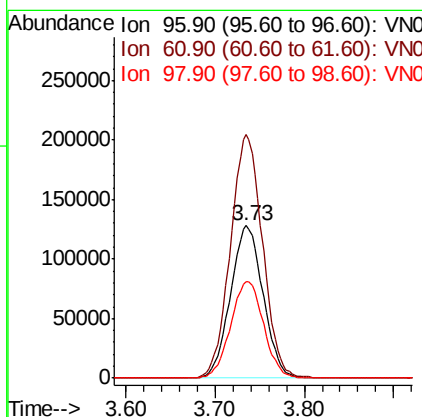
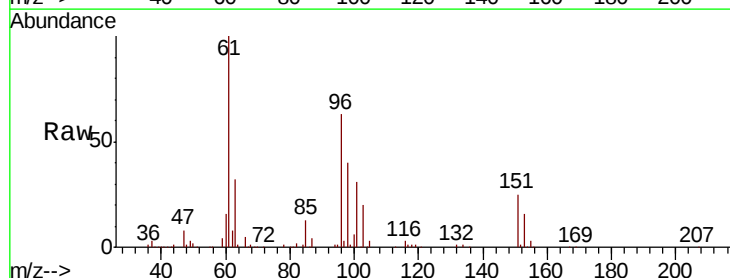
Manual Integrations
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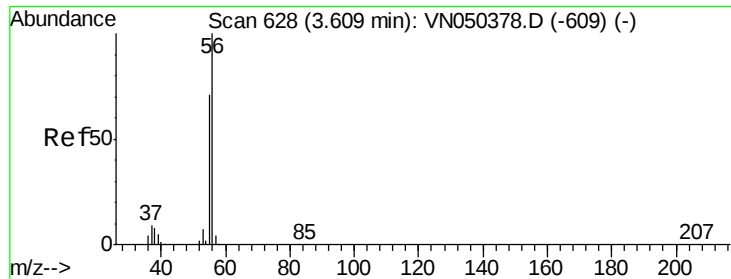
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.82 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	124.4	186.6
98	63.3	48.3	72.5





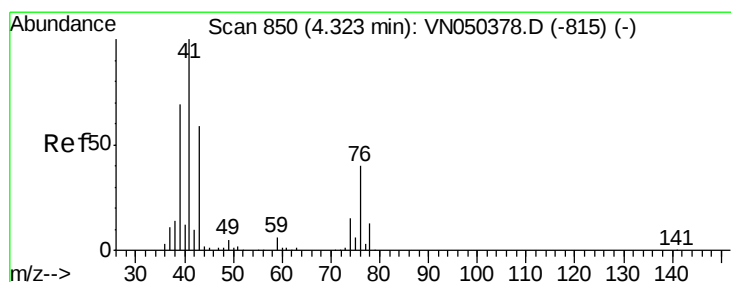
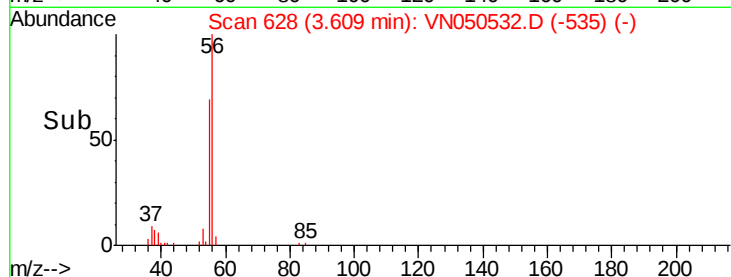
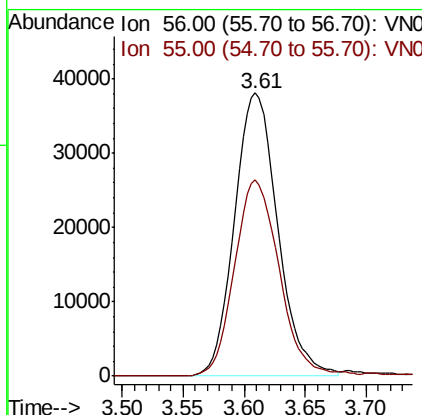
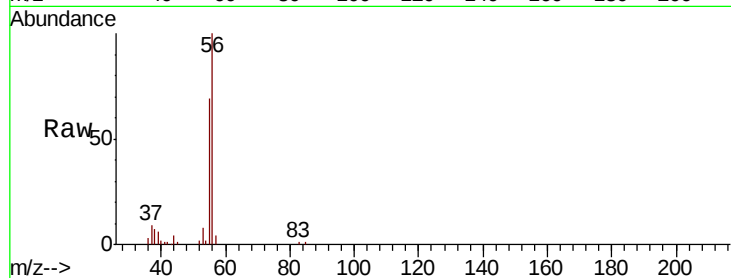
#13
Acrolein
Concen: 113.49 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	55.8	83.6

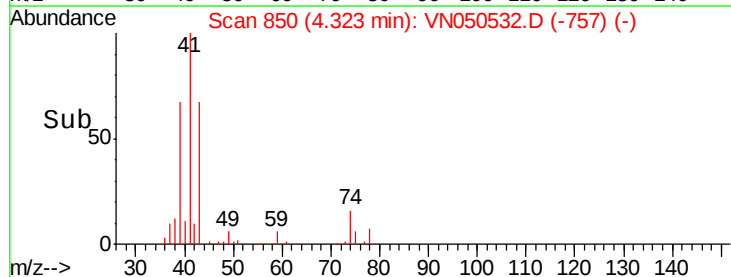
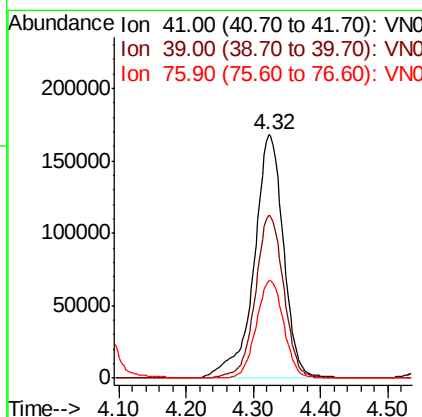
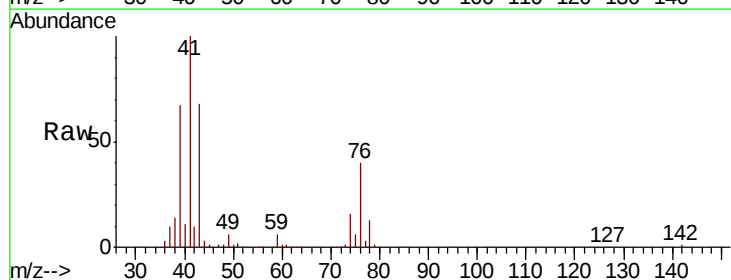
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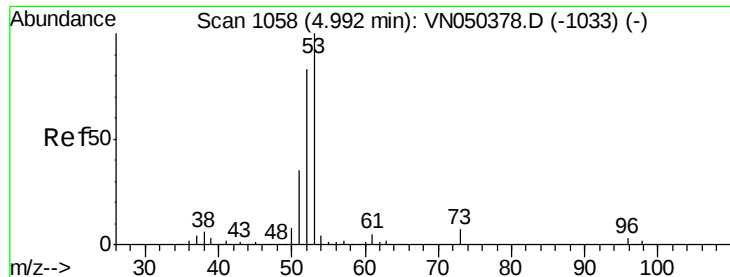
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#14
Allyl chloride
Concen: 45.84 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.6	54.2	81.4
76	36.8	29.0	43.6





#15

Acrylonitrile

Concen: 227.68 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

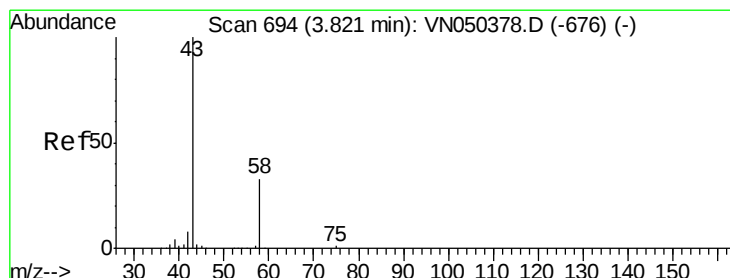
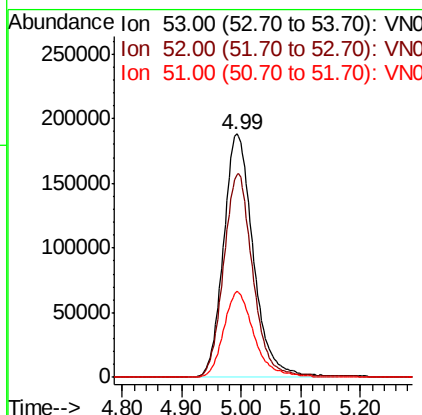
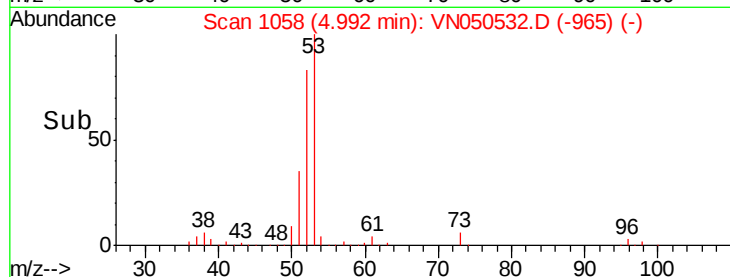
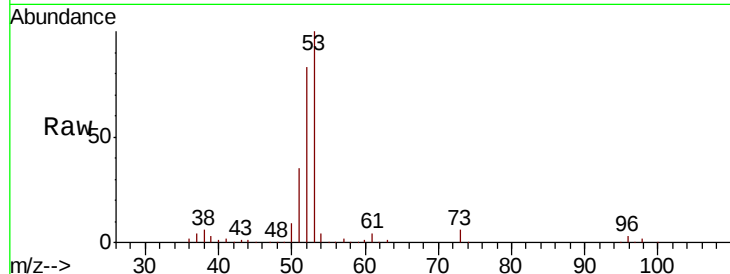
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	656200
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	35.9	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 224.75 ug/l

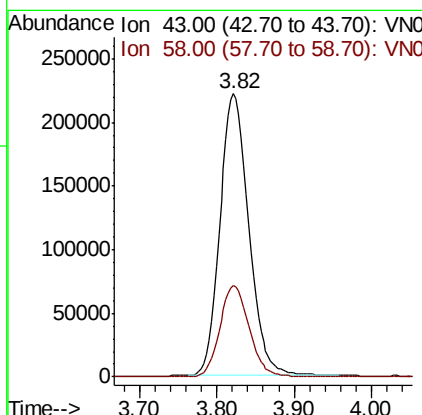
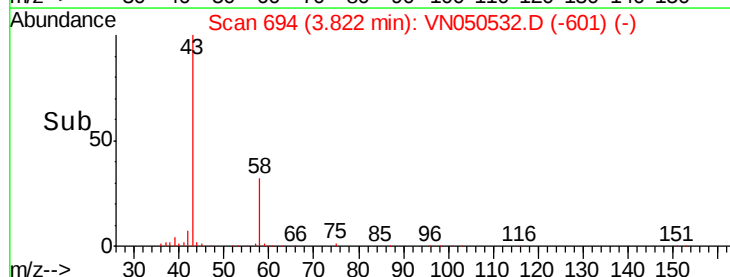
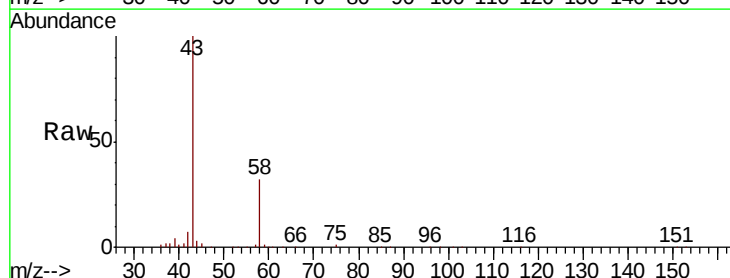
RT: 3.82 min Scan# 694

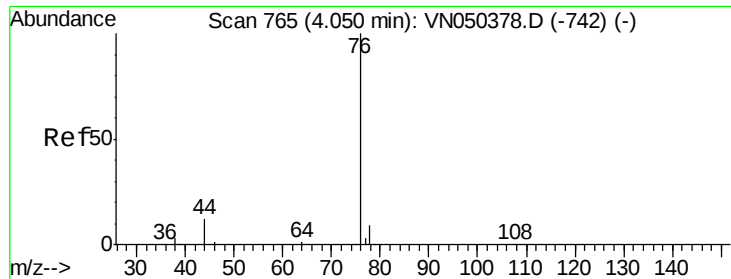
Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Tgt Ion:	43	Resp:	574187
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.8	38.8





#17

Carbon Disulfide

Concen: 41.44 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 933941

Ion Ratio Lower Upper

76 100

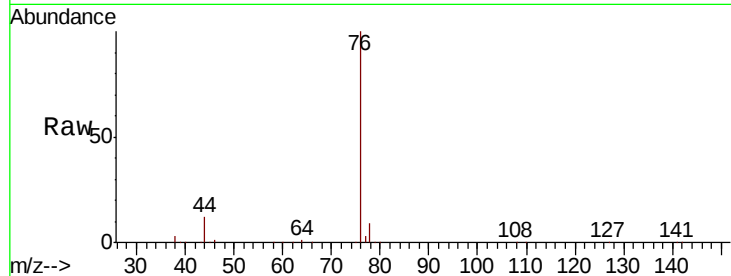
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

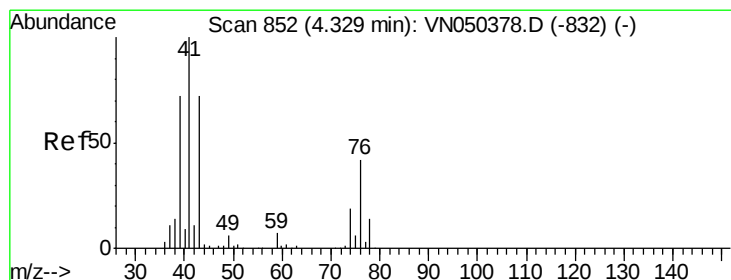
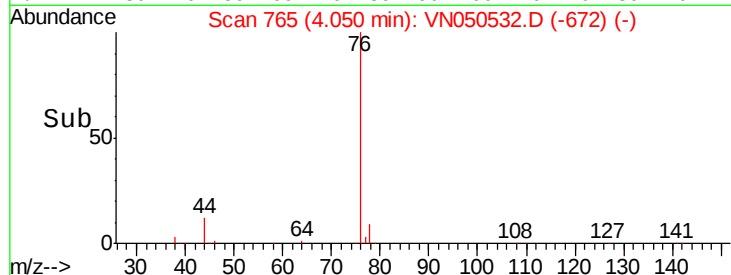
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 51.26 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050532.D

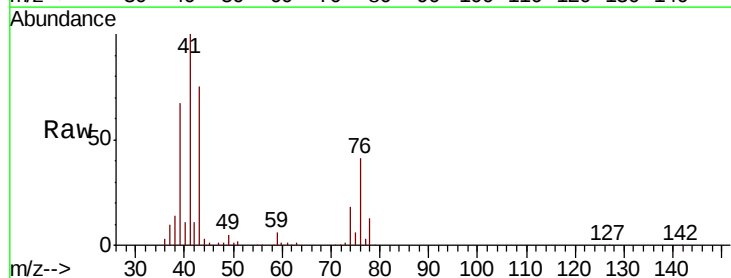
Acq: 10 Aug 2018 21:34

Tgt Ion: 43 Resp: 340219

Ion Ratio Lower Upper

43 100

74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

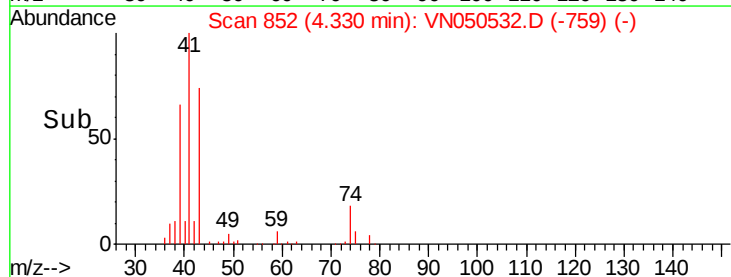
4.33

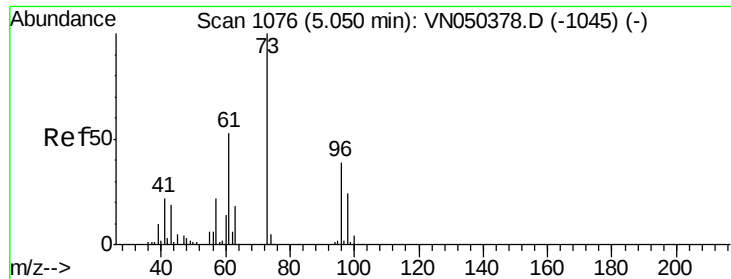
100000

50000

0

Time-->





#19

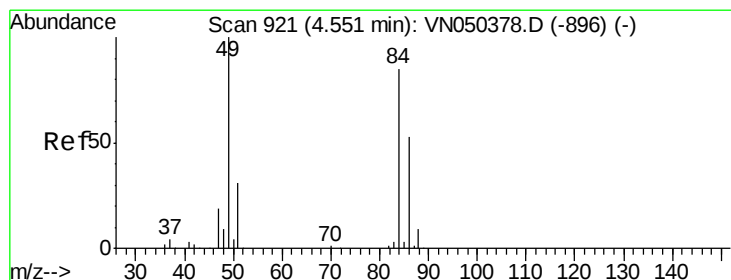
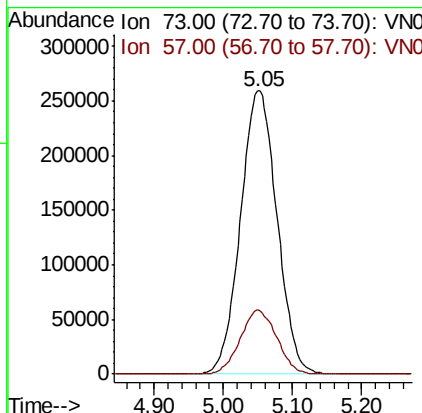
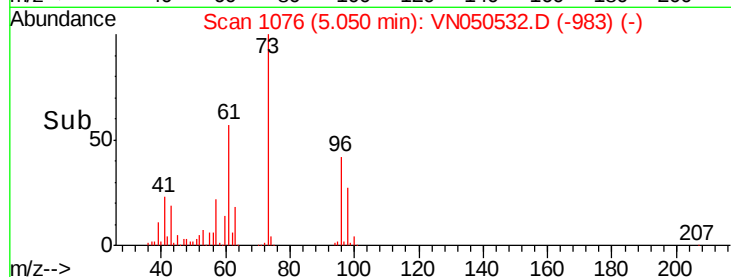
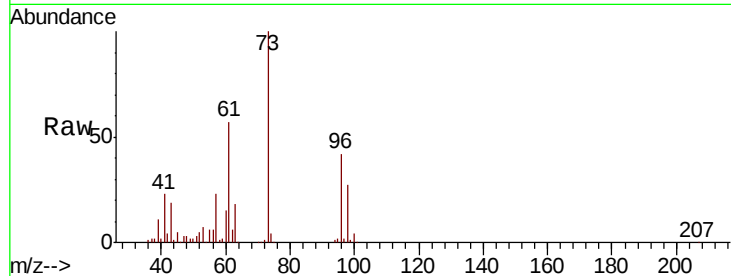
Methyl tert-butyl Ether
 Concen: 48.22 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	73	Resp	948589
Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.0	27.0

Manual Integrations
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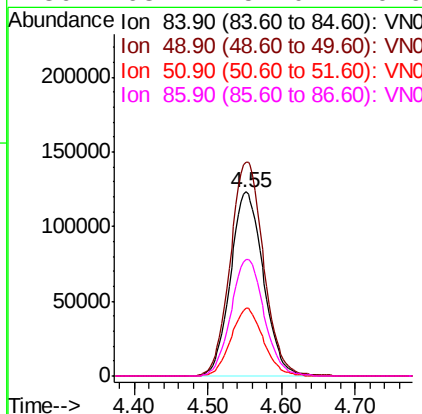
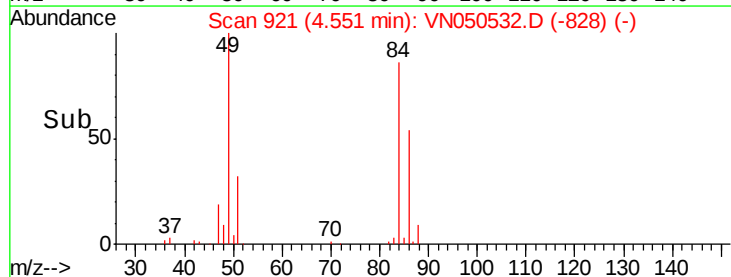
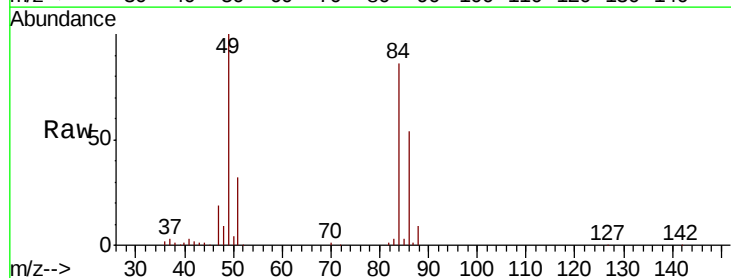
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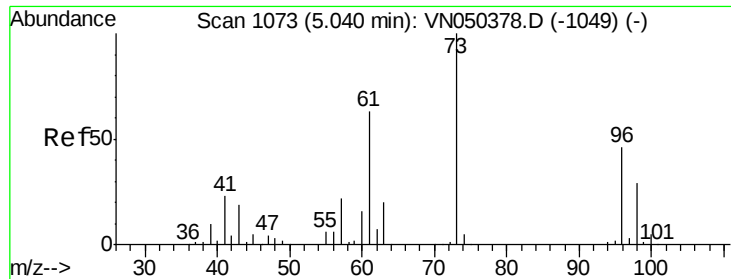


#20

Methylene Chloride
 Concen: 49.00 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Tgt Ion	84	Resp	383008
Ion	Ratio	Lower	Upper
84	100		
49	115.9	94.8	142.2
51	36.5	28.3	42.5
86	63.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 47.78 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

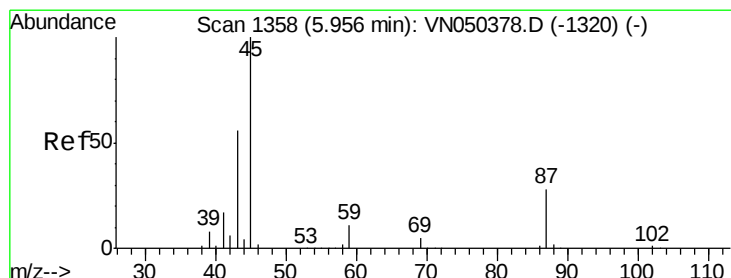
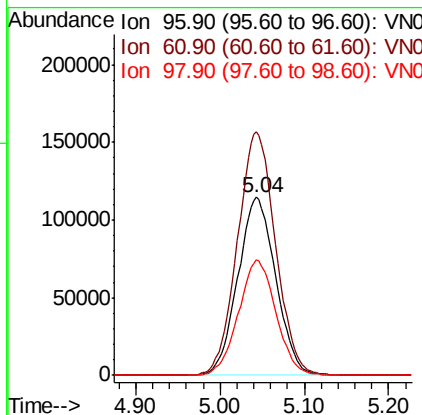
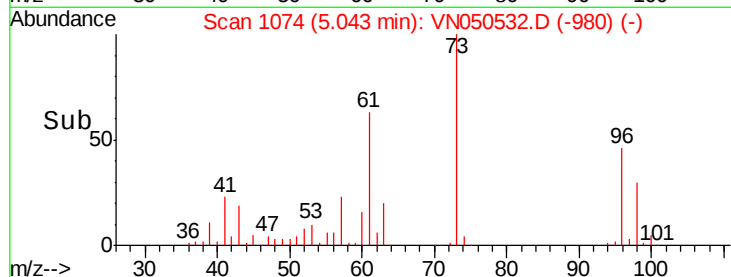
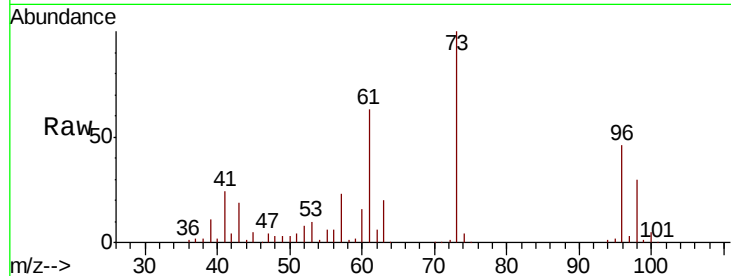
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	358320
Ion	Ratio	Lower	Upper
96	100		
61	136.9	110.7	166.1
98	64.7	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.20 ug/l

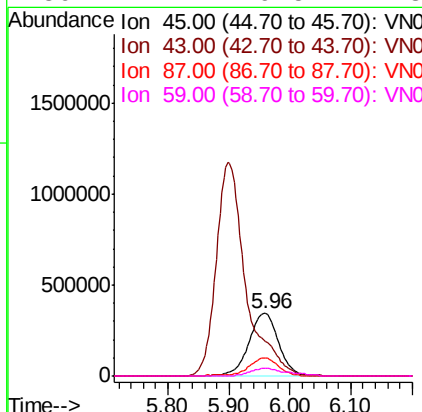
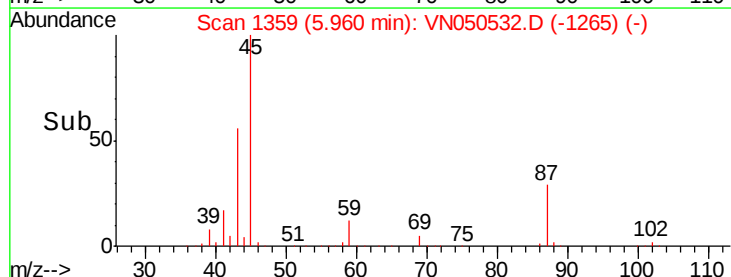
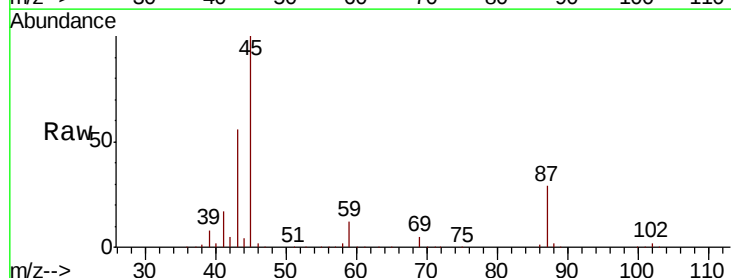
RT: 5.96 min Scan# 1359

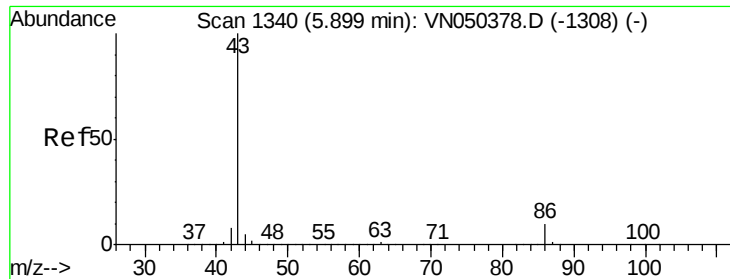
Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Tgt Ion:	45	Resp:	1164212
Ion	Ratio	Lower	Upper
45	100		
43	54.9	45.7	68.5
87	28.6	22.7	34.1
59	11.7	9.5	14.3





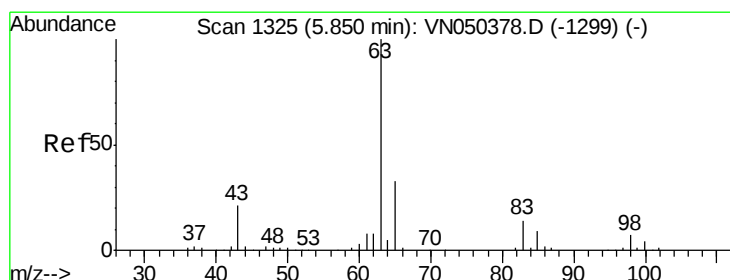
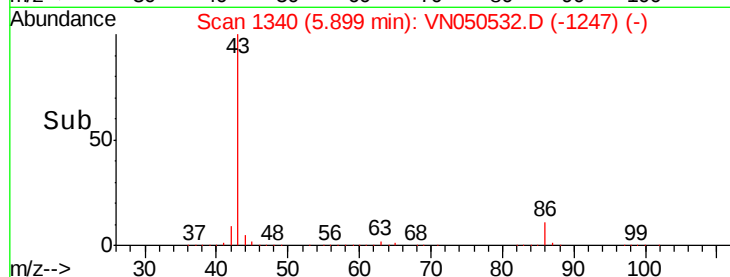
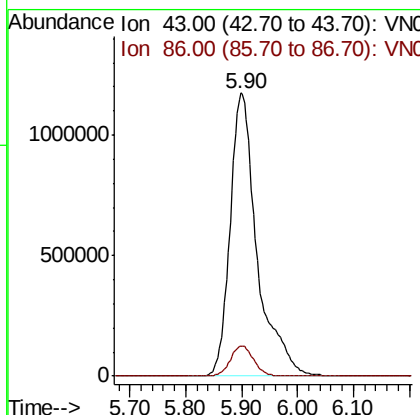
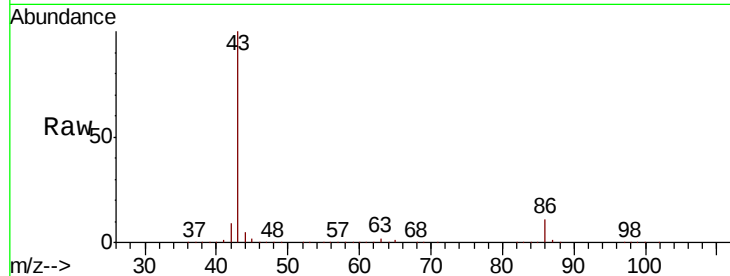
#23
 Vinyl Acetate
 Concen: 243.32 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3947151
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0

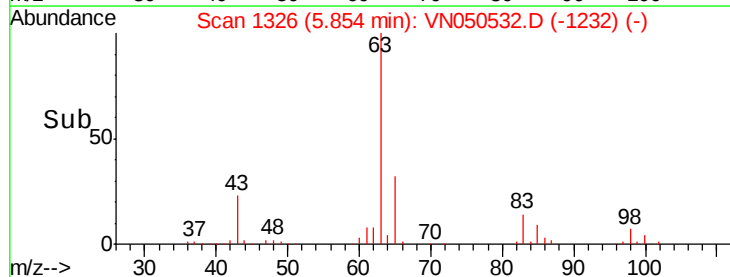
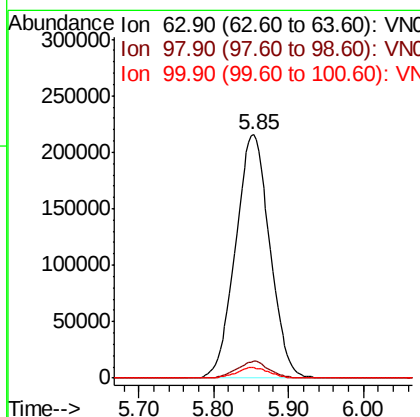
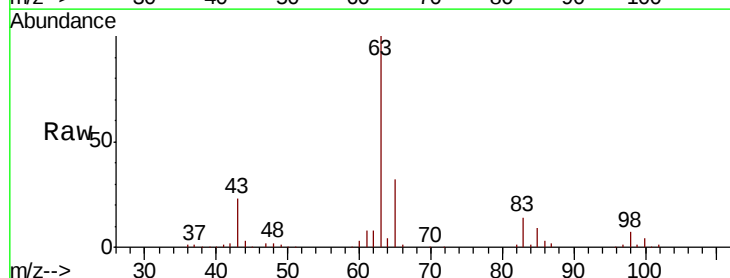
Manual Integrations
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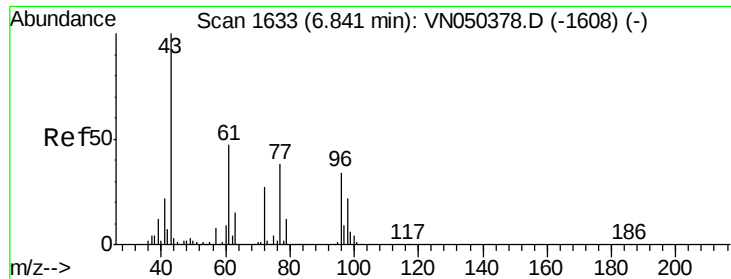
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 49.09 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Tgt Ion: 63 Resp: 684897
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.2 2.1 6.3





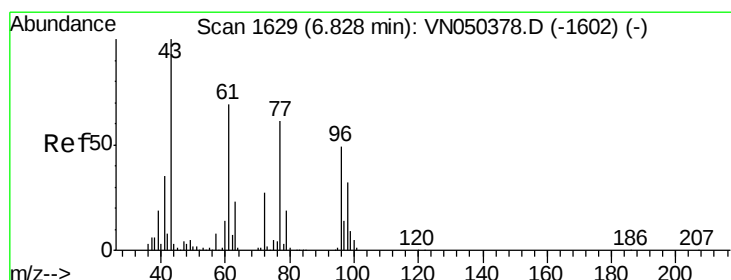
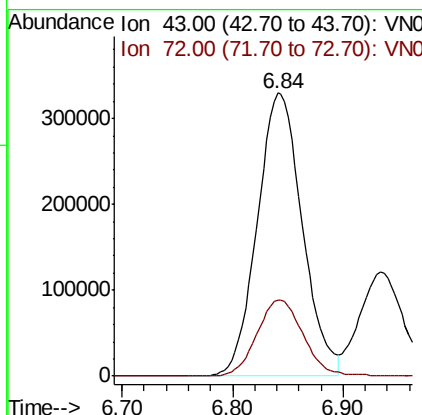
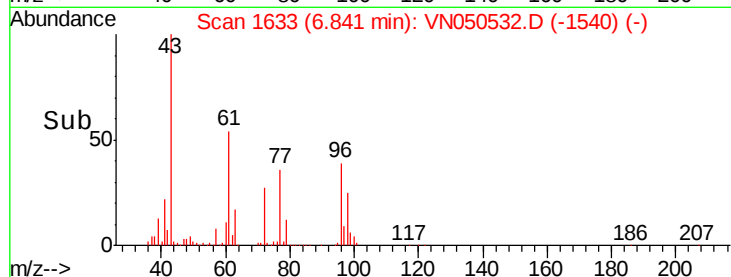
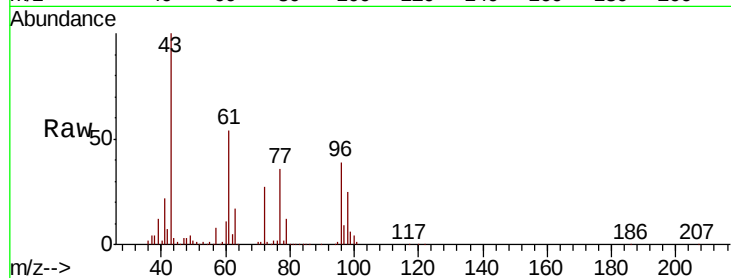
#25
2-Butanone
Concen: 219.49 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 931606
Ion Ratio Lower Upper
43 100
72 26.9 21.5 32.3

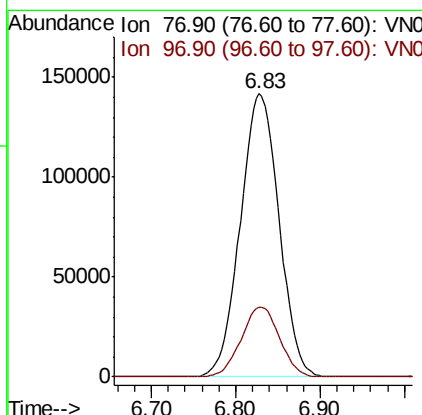
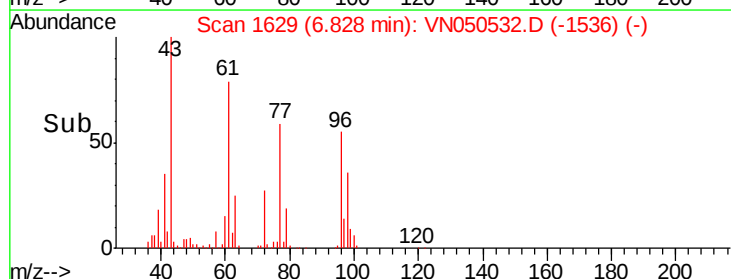
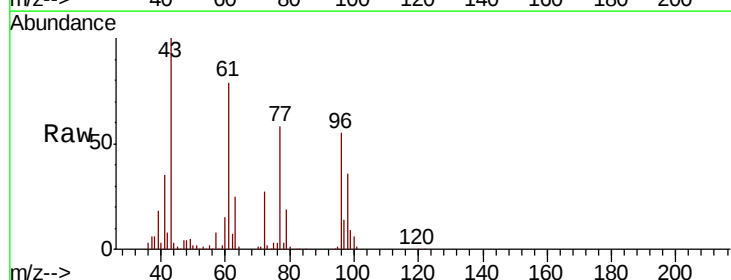
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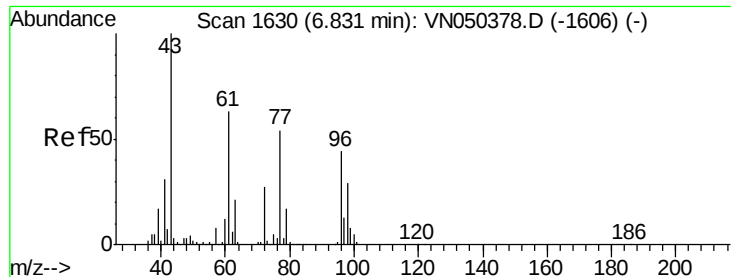
MMDadoda
8/13/2018 11:05:48 AM



#26
2,2-Dichloropropane
Concen: 39.23 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion: 77 Resp: 451180
Ion Ratio Lower Upper
77 100
97 24.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.64 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

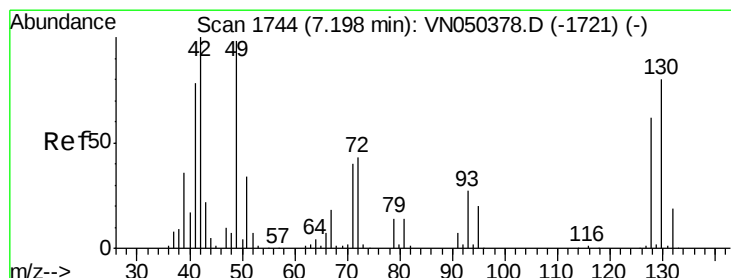
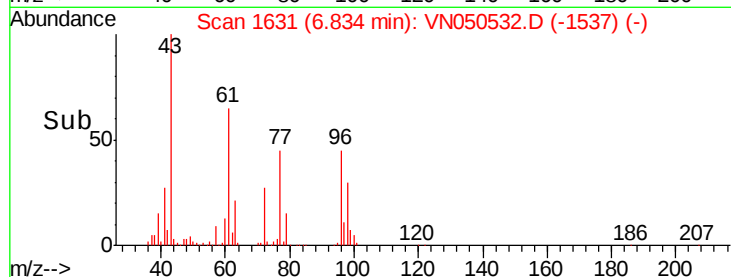
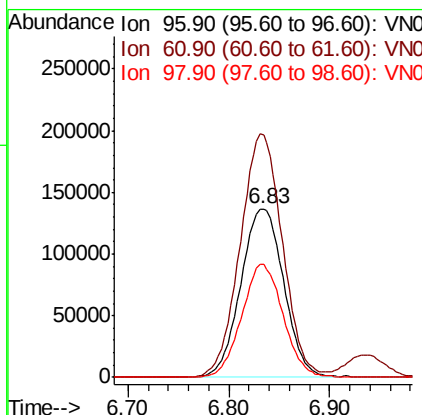
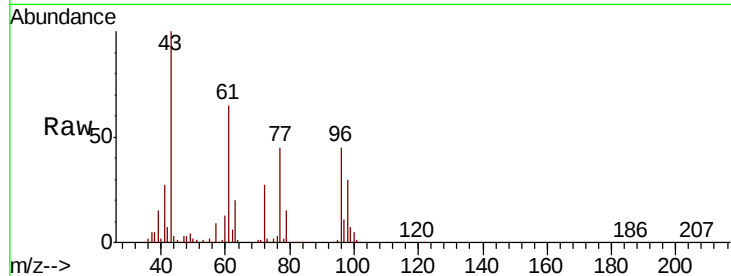
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	404305
Ion Ratio	Lower	Upper	
96	100		
61	141.6	0.0	285.0
98	64.8	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 50.61 ug/l

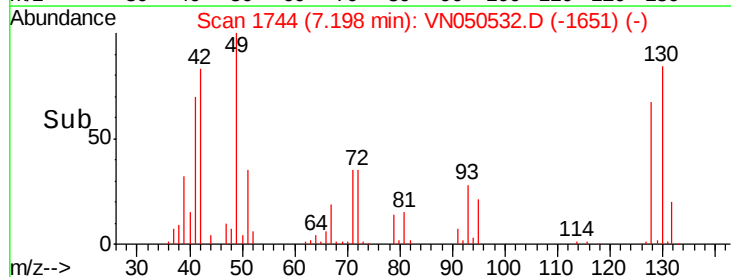
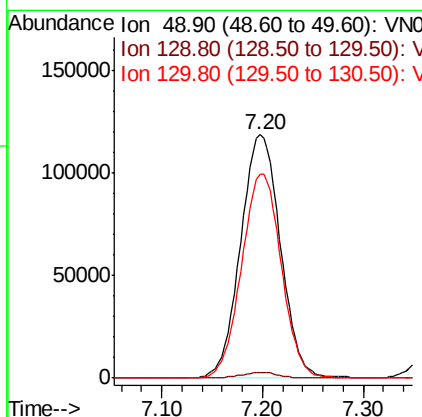
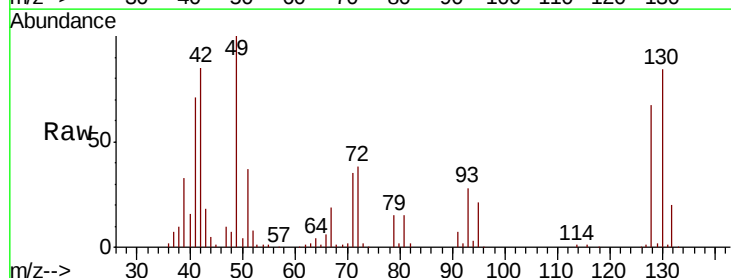
RT: 7.20 min Scan# 1744

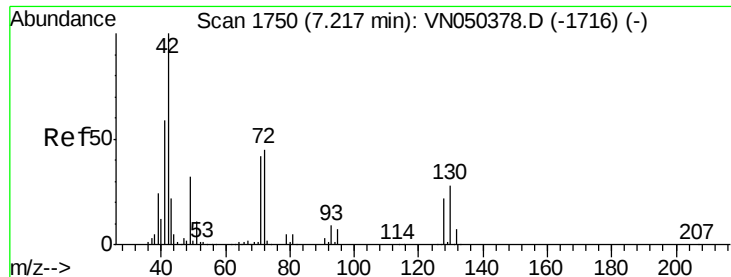
Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Tgt Ion:	49	Resp:	325031
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.0
130	83.7	66.3	99.5





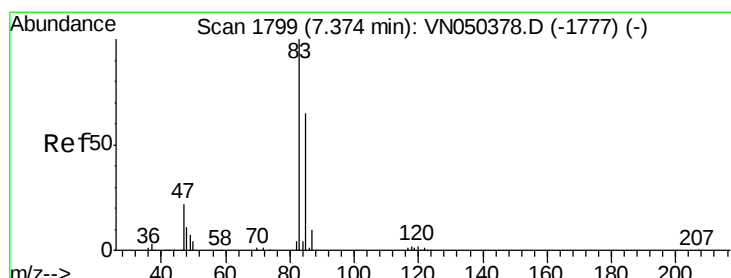
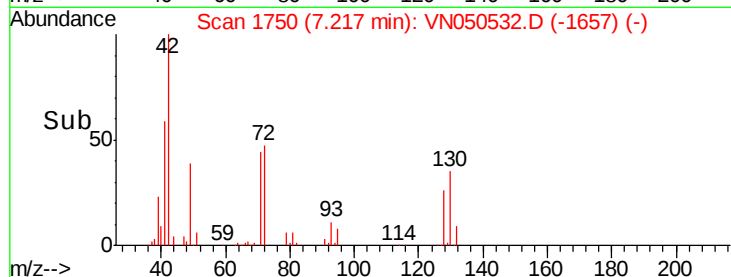
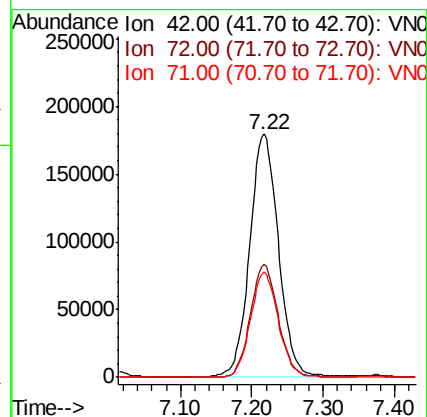
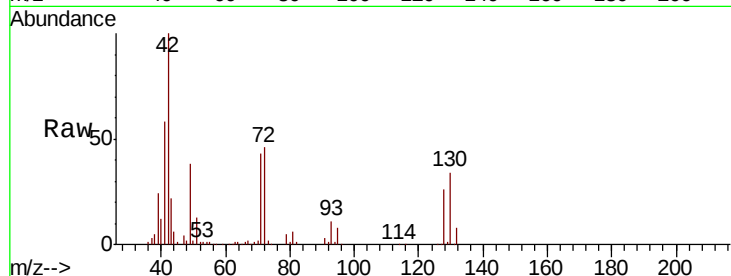
#29
Tetrahydrofuran
Concen: 221.56 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.9	53.9
71	42.0	33.7	50.5

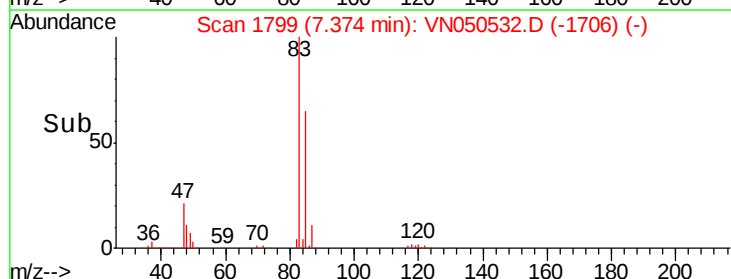
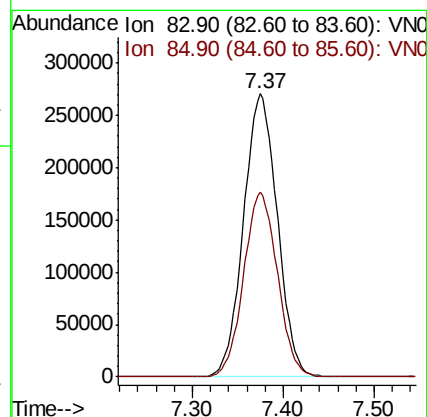
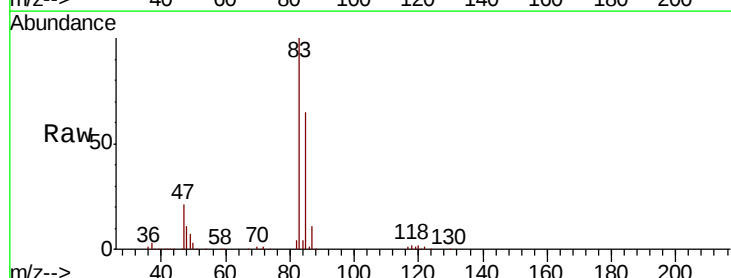
Manual Integrations
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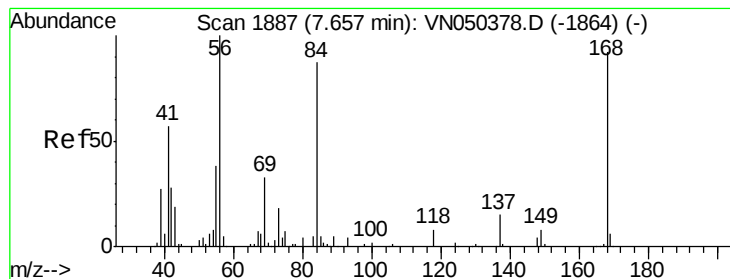
MMDadoda
8/13/2018 11:05:48 AM



#30
Chloroform
Concen: 50.10 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7





#31

Cyclohexane

Concen: 47.21 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 580144

Ion Ratio Lower Upper

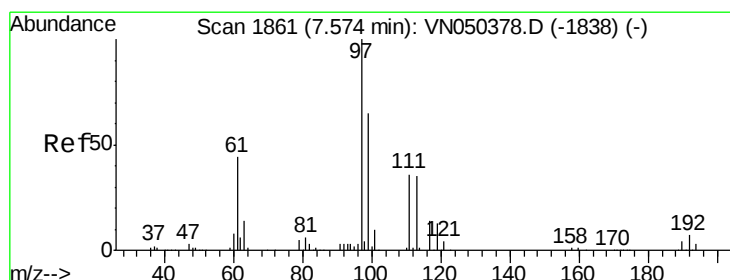
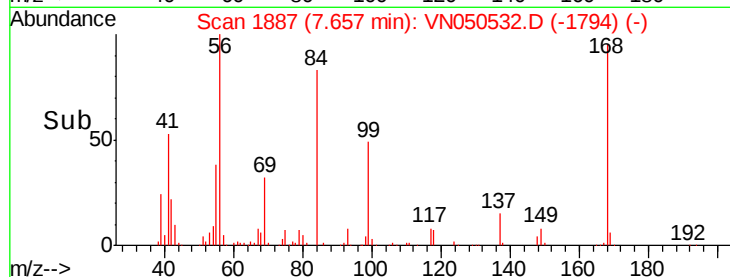
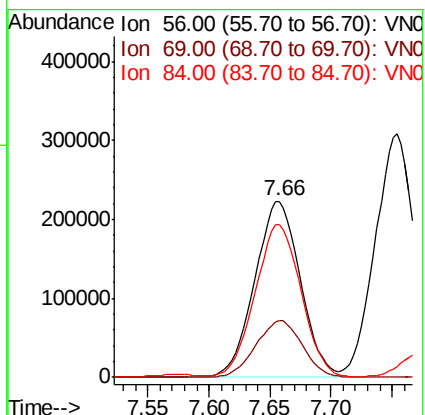
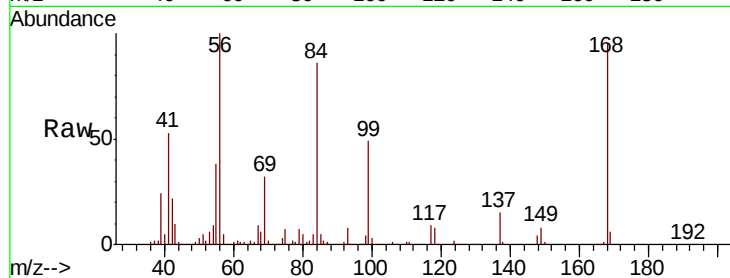
56 100

69 32.2 26.2 39.4

84 85.1 67.4 101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.73 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

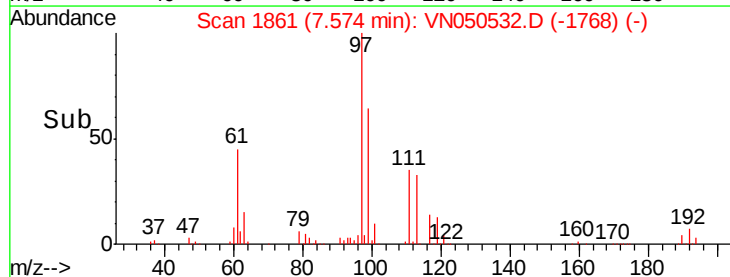
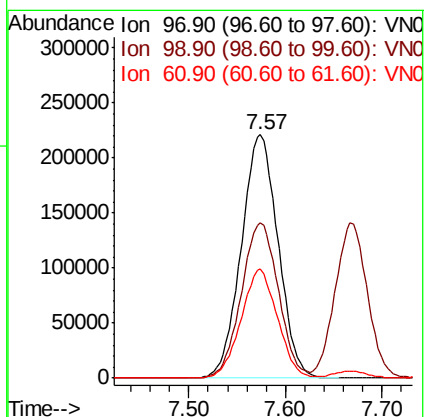
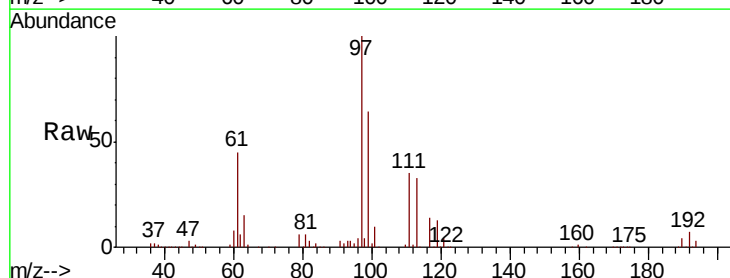
Tgt Ion: 97 Resp: 583742

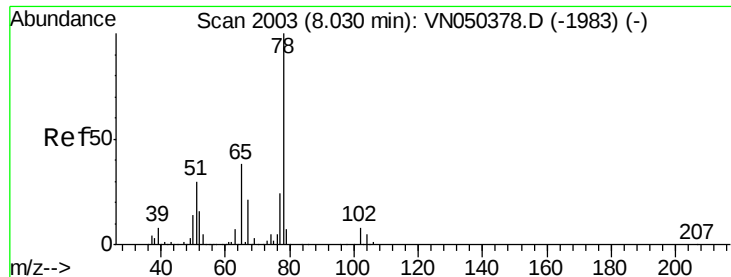
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 44.2 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 47.85 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 409840

Ion Ratio Lower Upper

65 100

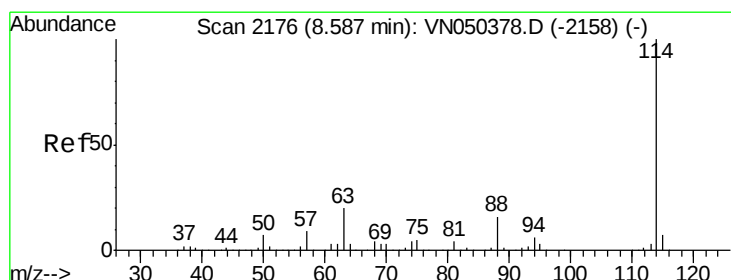
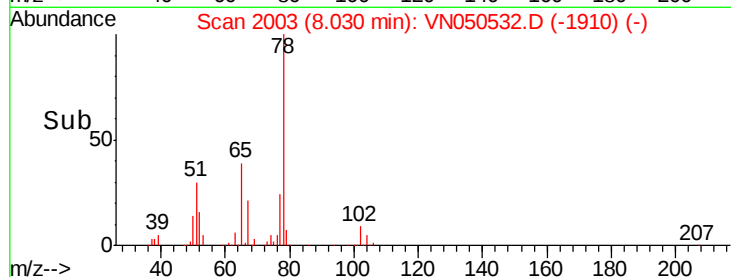
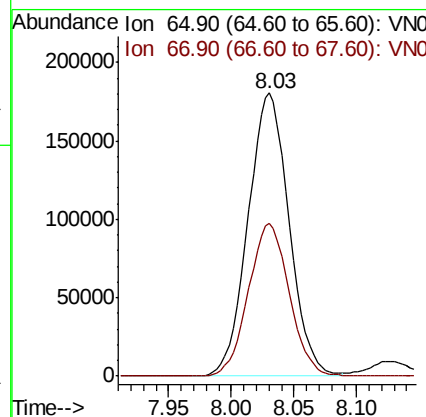
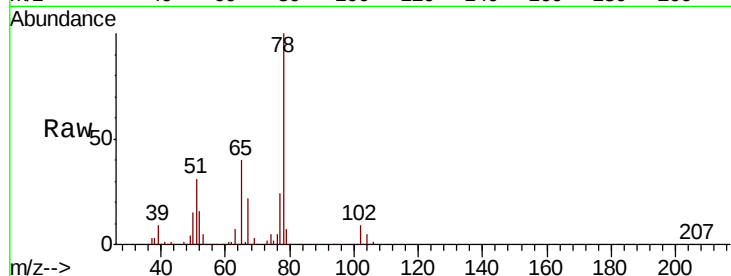
67 53.9 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

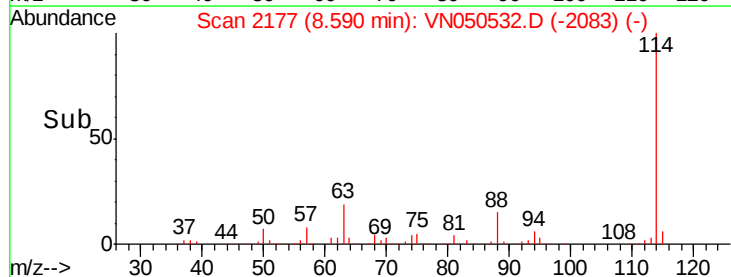
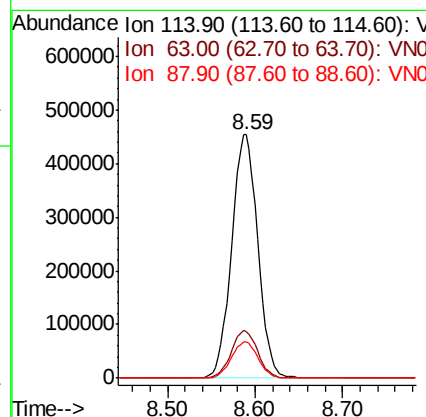
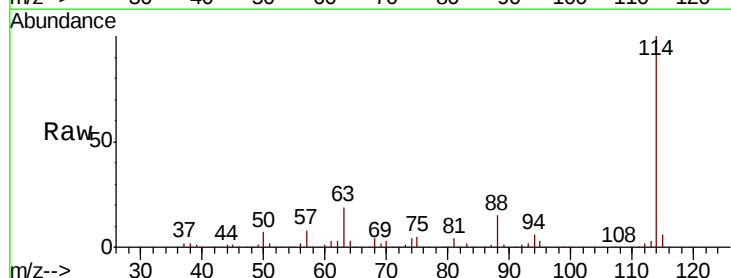
Tgt Ion: 114 Resp: 939095

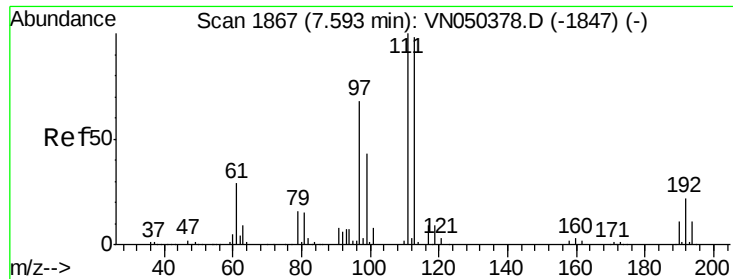
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.2 0.0 31.2





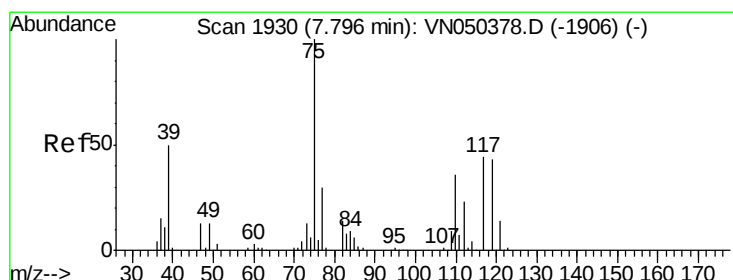
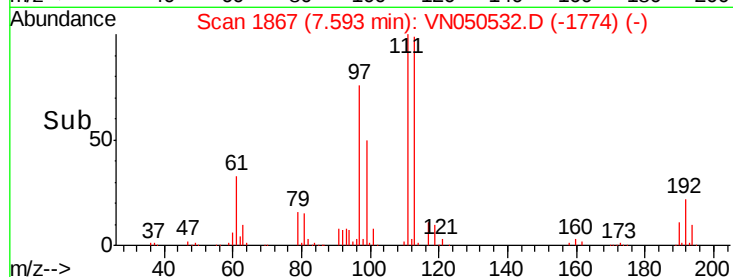
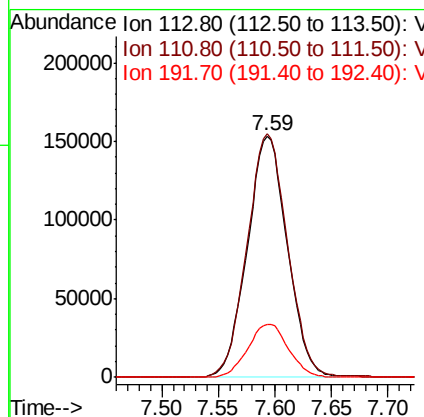
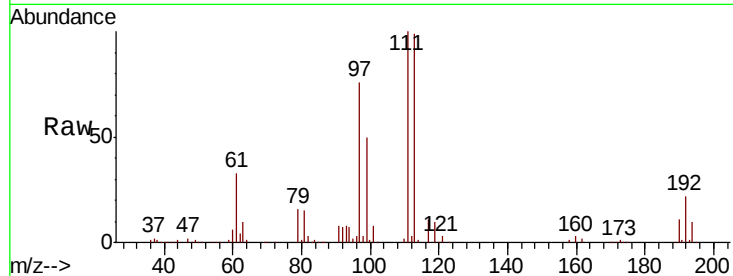
#35
Dibromofluoromethane
Concen: 49.97 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	80.7	121.1	
192	22.5	17.8	26.6	

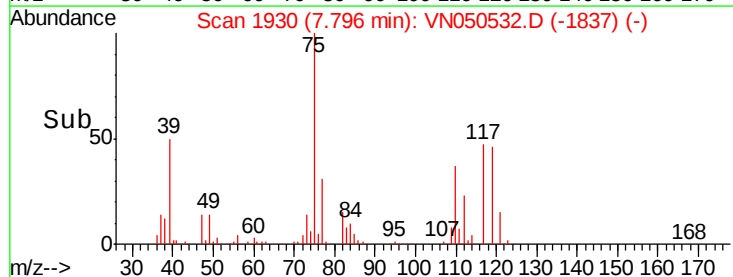
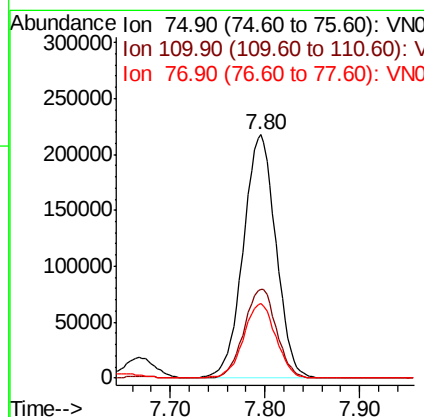
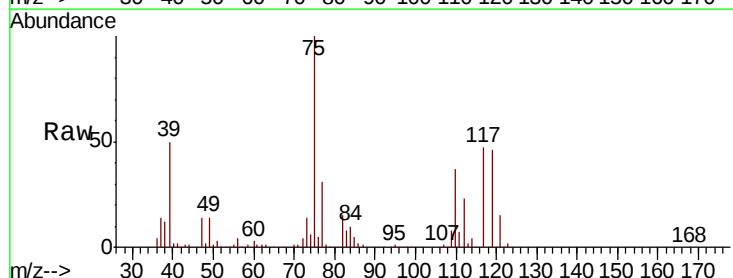
Manual Integrations
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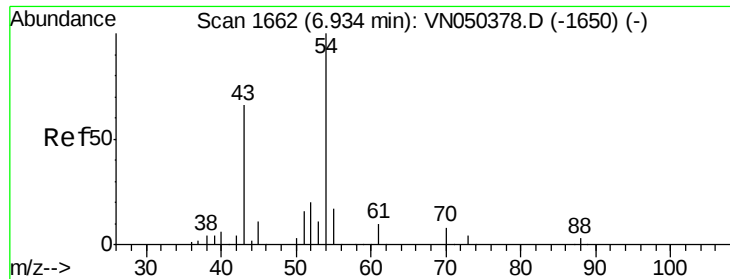
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.42 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.4	55.2	
77	30.8	25.3	37.9	





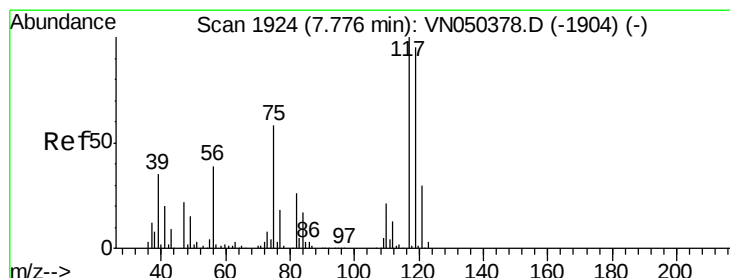
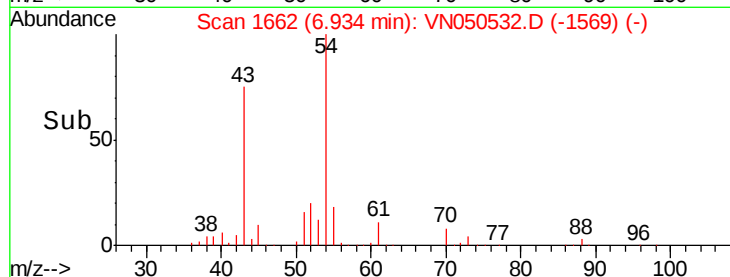
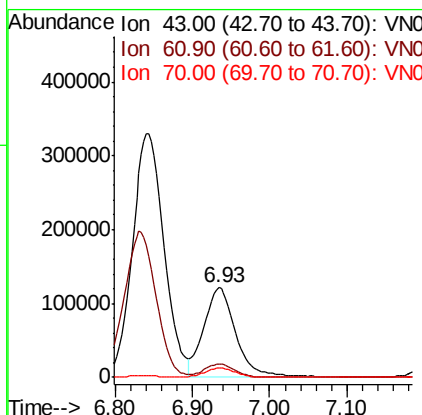
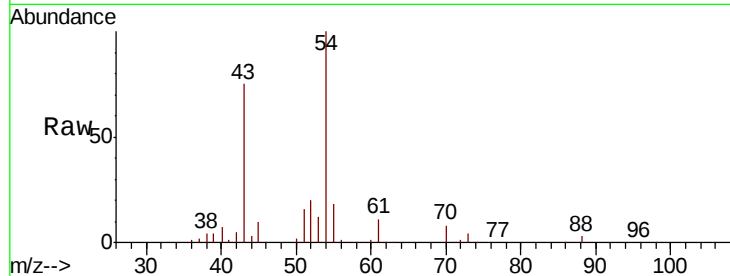
#37
Ethyl Acetate
Concen: 46.67 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.8
70	10.0	8.4	12.6

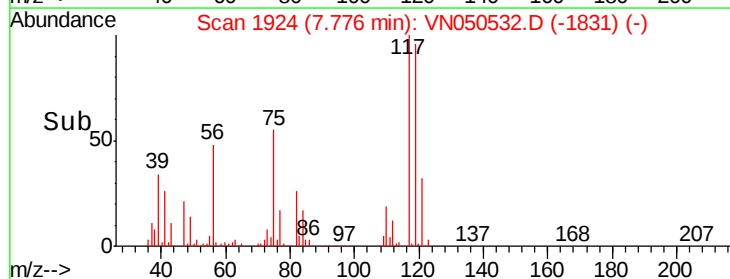
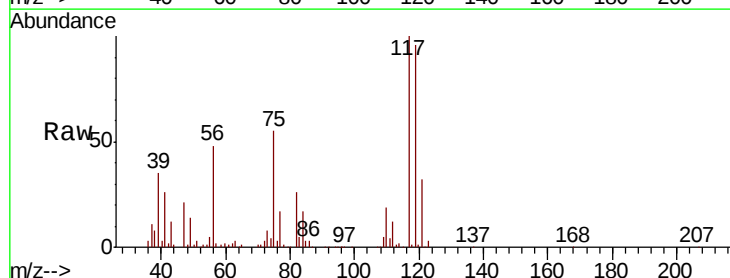
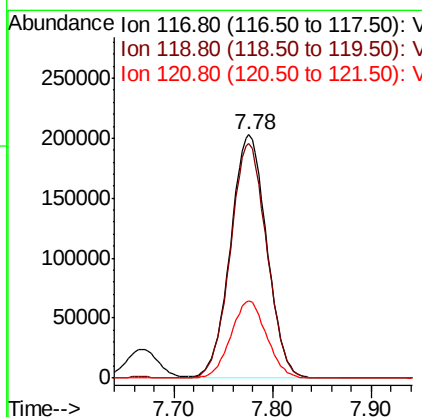
Manual Integrations
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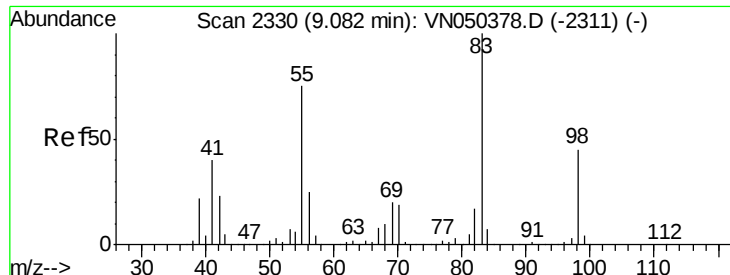
MMDadoda
8/13/2018 11:05:48 AM



#38
Carbon Tetrachloride
Concen: 48.23 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.4	116.0
121	31.9	23.9	35.9





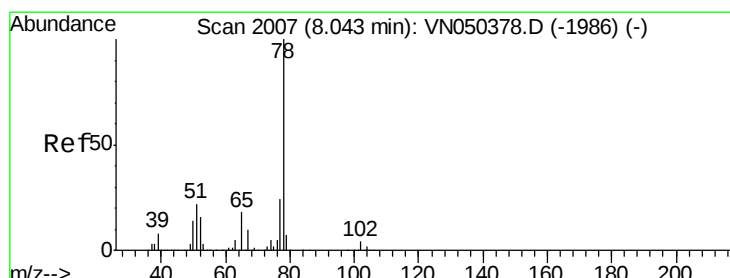
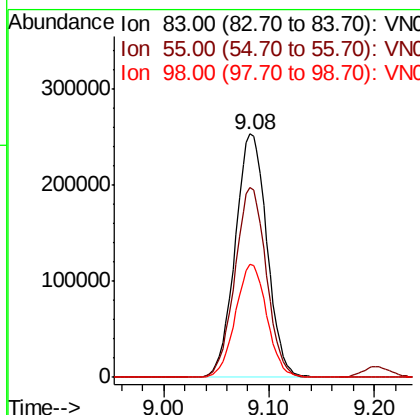
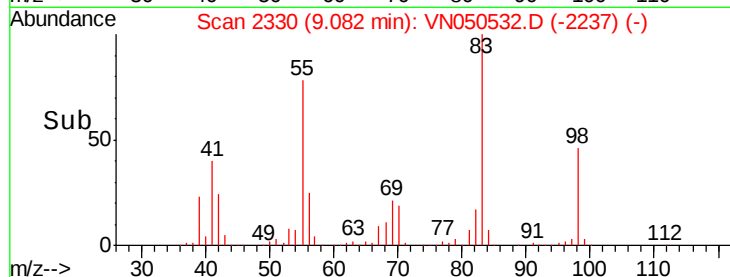
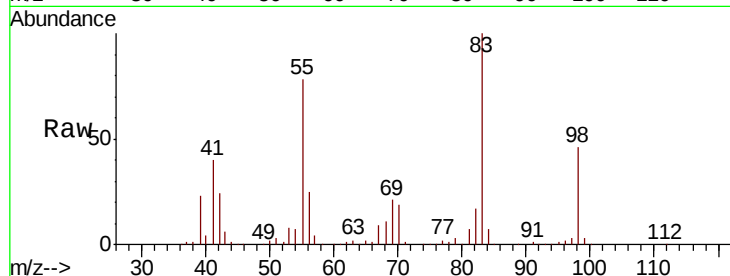
#39
Methvlcvclohexane
Concen: 46.89 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.2	61.8	92.8	
98	46.2	36.5	54.7	

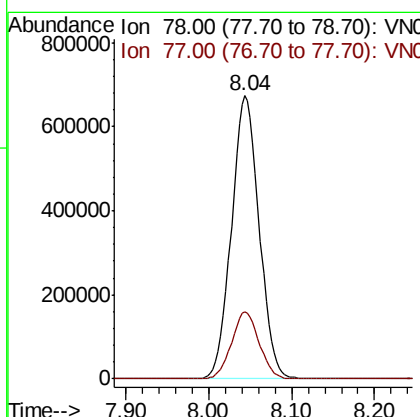
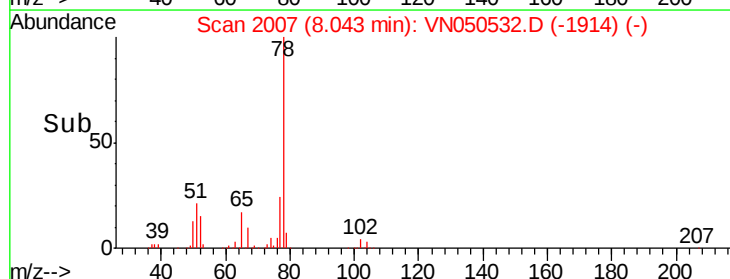
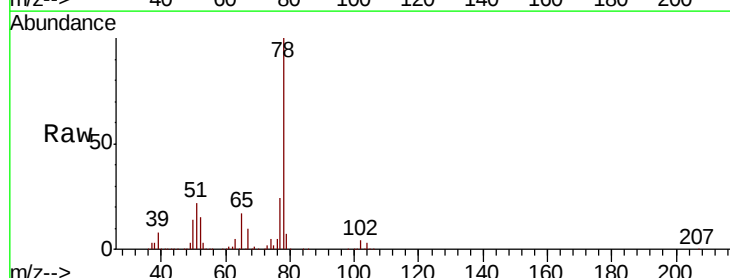
Manual Integrations
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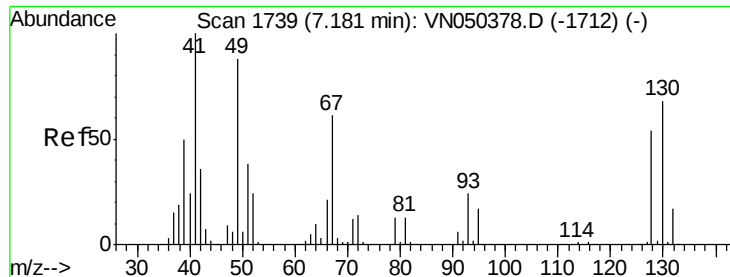
MMDadoda
8/13/2018 11:05:48 AM



#40
Benzene
Concen: 49.31 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.7	28.1	





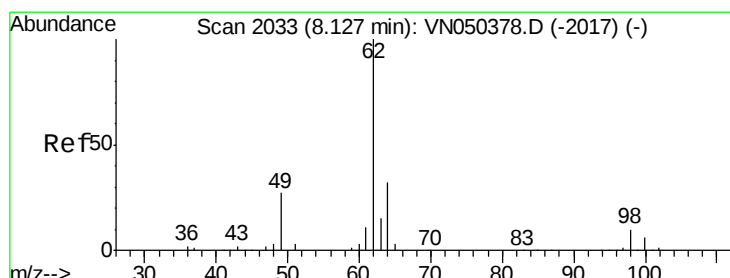
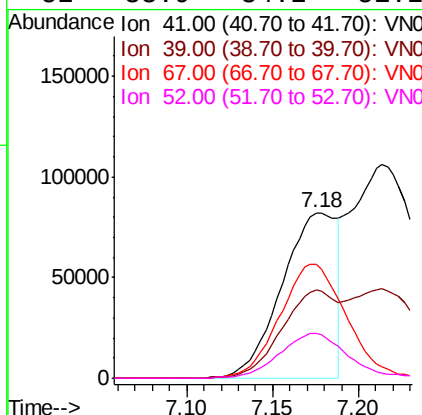
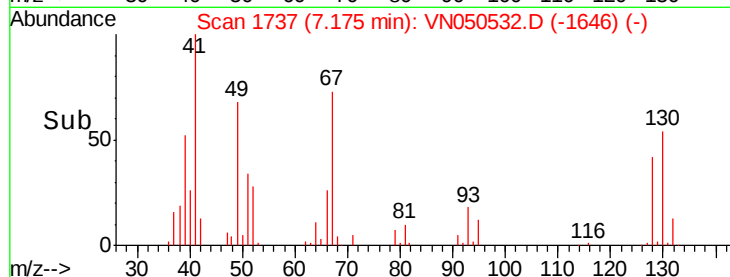
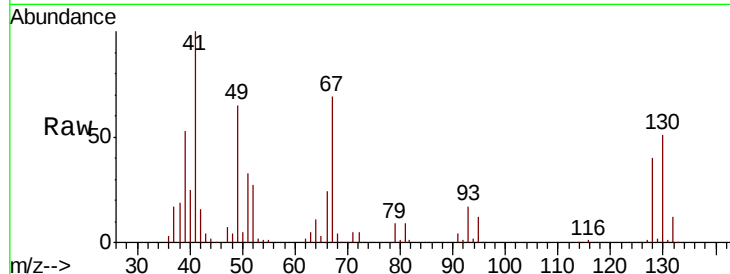
#41
Methacrylonitrile
Concen: 46.35 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	55.8	83.6#
67	83.6	84.3	126.5#
52	33.9	34.2	51.2#

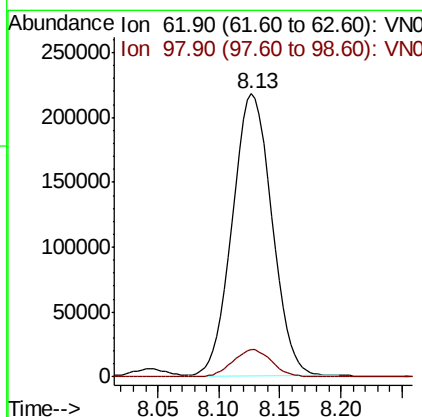
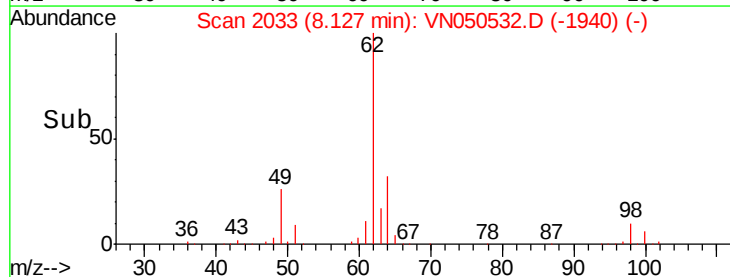
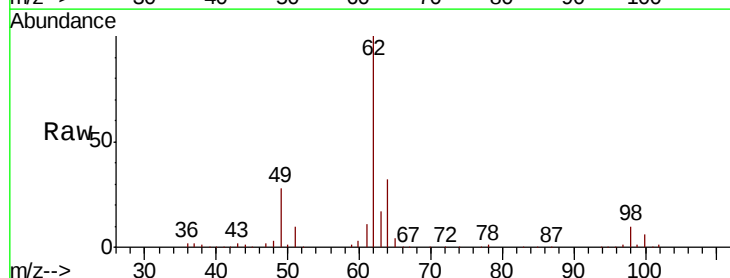
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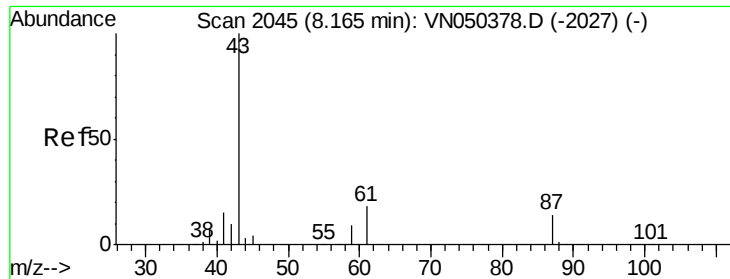
MMDadoda
8/13/2018 11:05:48 AM



#42
1,2-Dichloroethane
Concen: 48.83 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8





#43

Isopropyl Acetate

Concen: 48.09 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

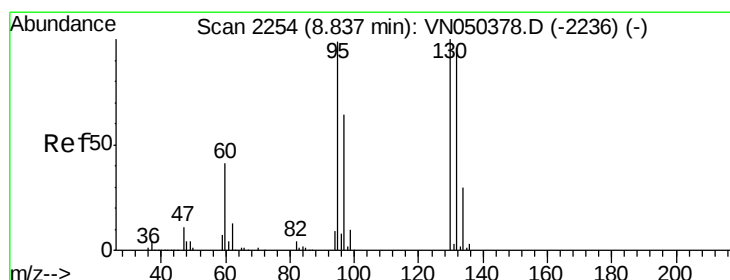
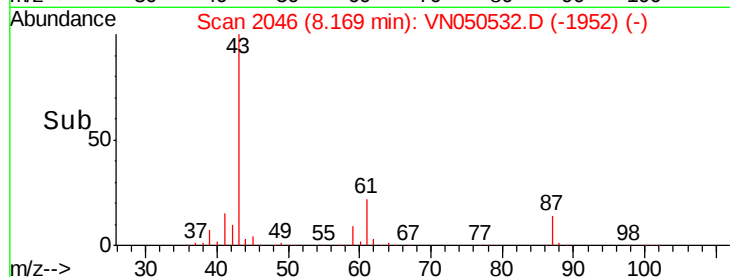
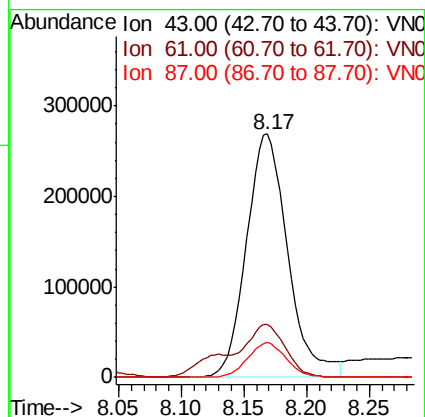
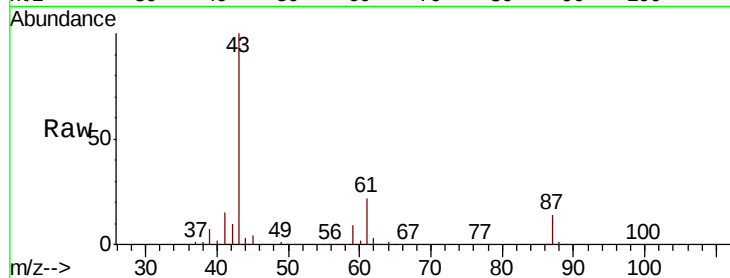
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	616864
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.6
87	13.4	10.3	15.5

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8/13/2018 11:05:48 AM



#44

Trichloroethene

Concen: 47.75 ug/l

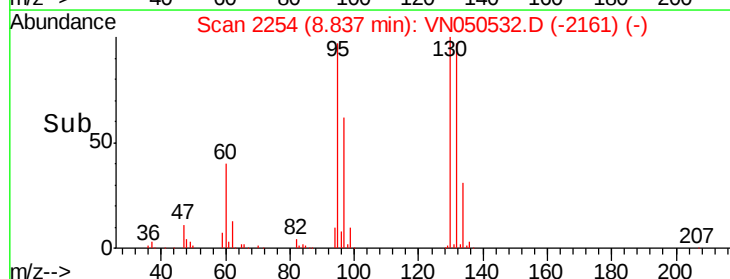
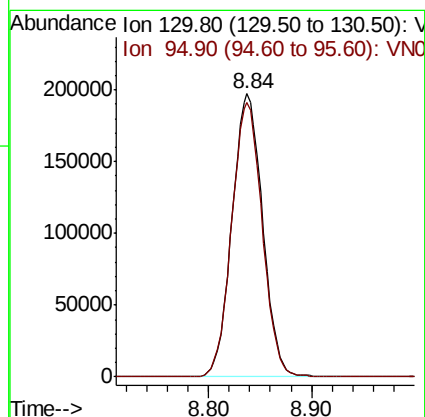
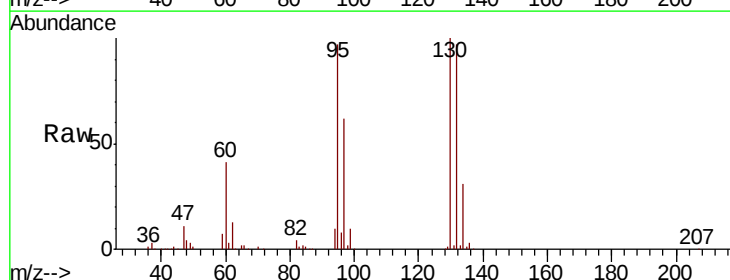
RT: 8.84 min Scan# 2254

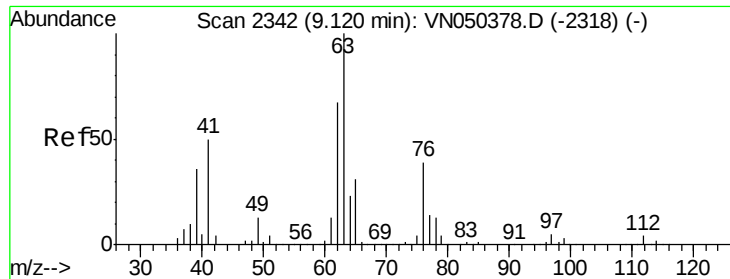
Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Tgt Ion:	130	Resp:	406979
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	194.6





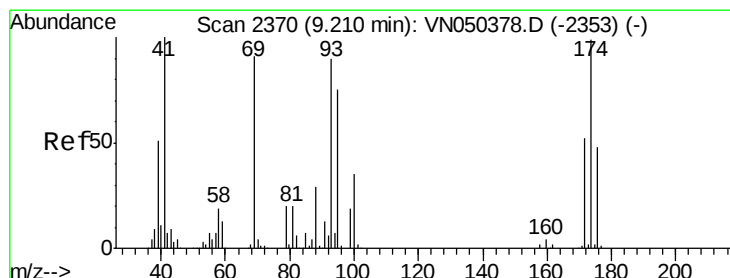
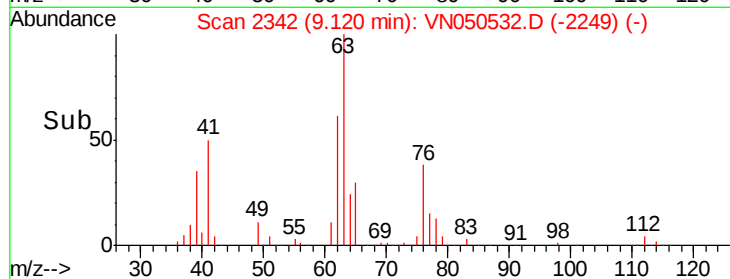
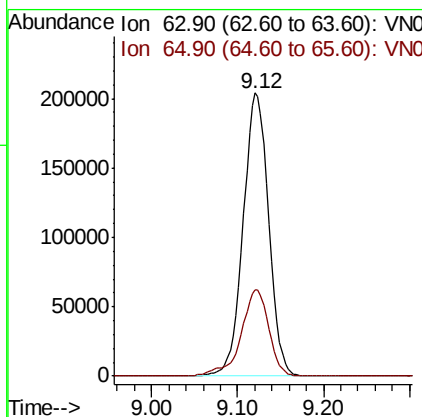
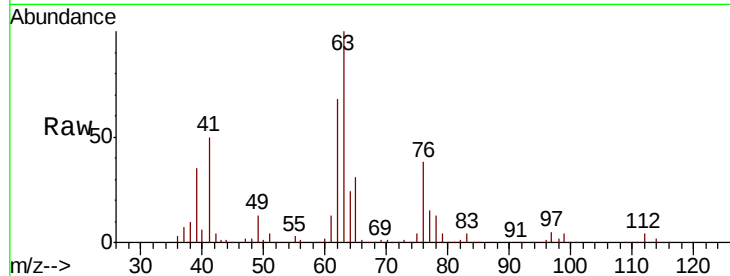
#45
 1,2-Dichloropropane
 Concen: 50.29 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 419416
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.5 38.3

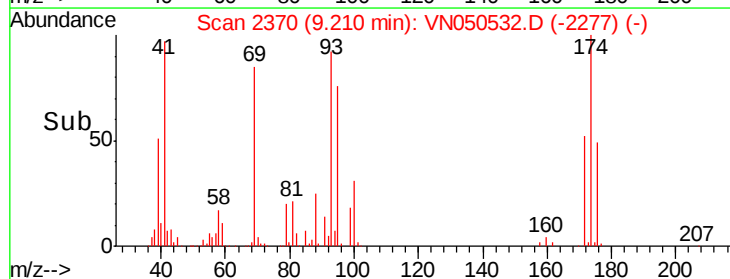
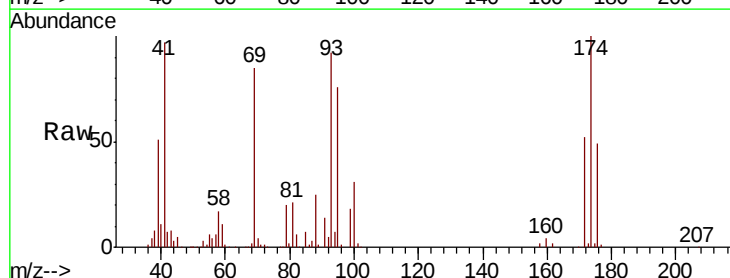
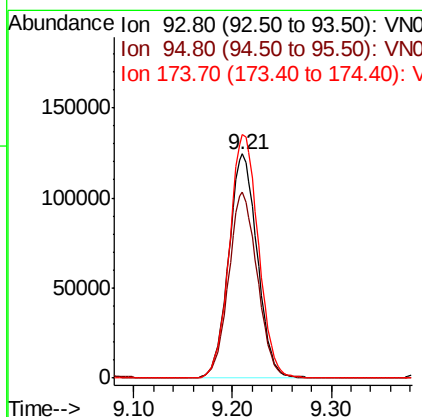
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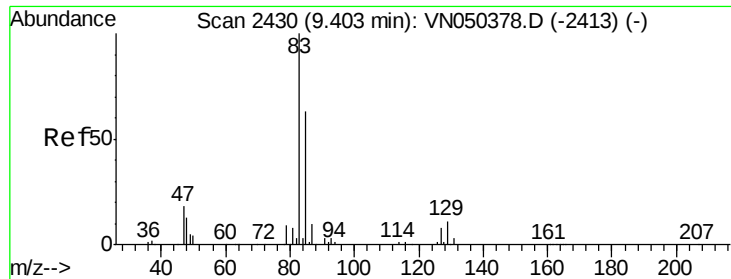
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#46
 Dibromomethane
 Concen: 48.85 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Tgt Ion: 93 Resp: 251564
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 110.0 87.1 130.7





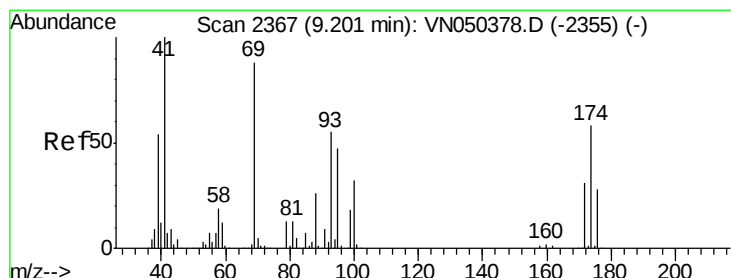
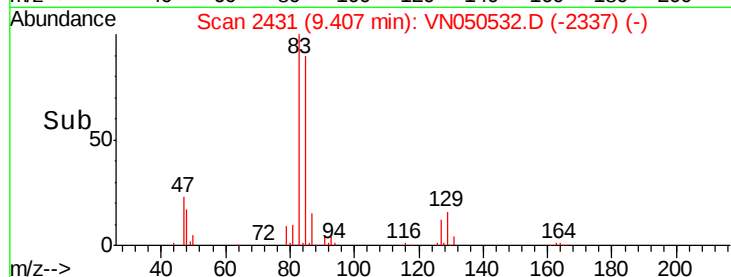
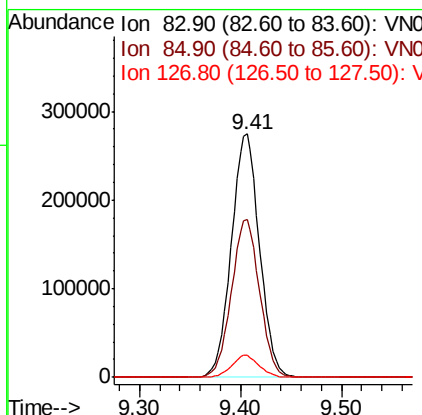
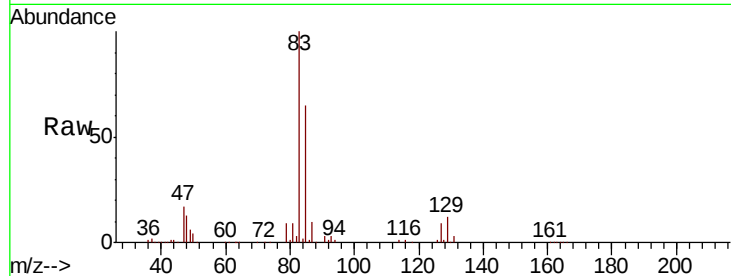
#47
Bromodichloromethane
Concen: 49.81 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	531372		
85	64.8		51.1	76.7
127	9.0		7.0	10.4

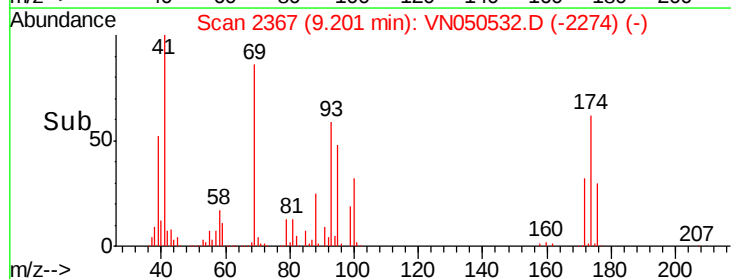
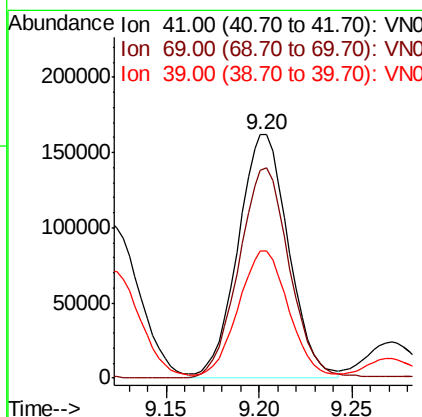
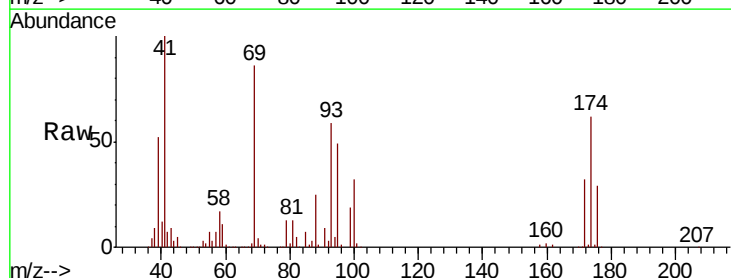
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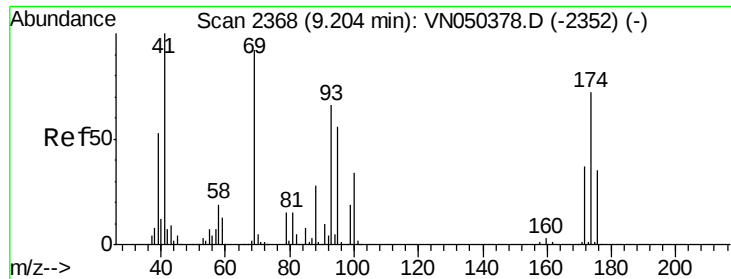
MMDadoda
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#48
Methyl methacrylate
Concen: 47.54 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	305607		
69	87.2		70.6	105.8
39	52.7		43.9	65.9





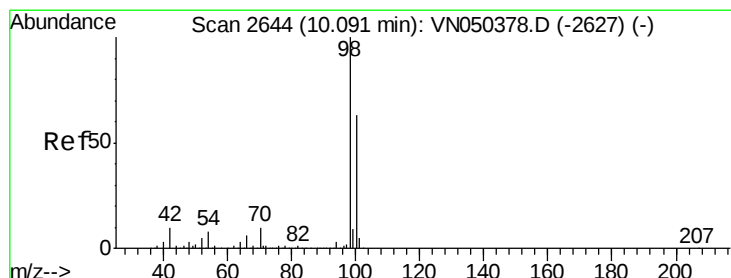
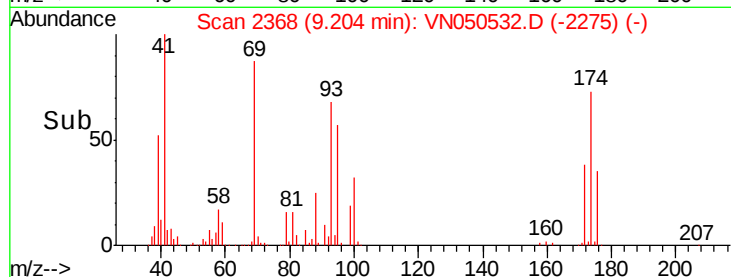
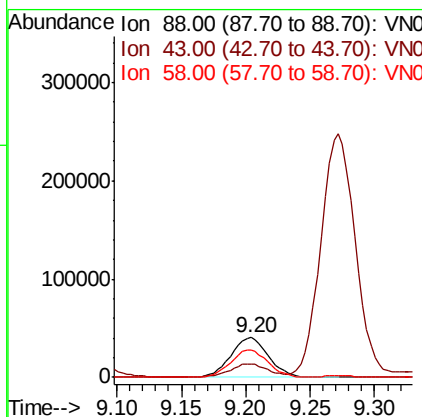
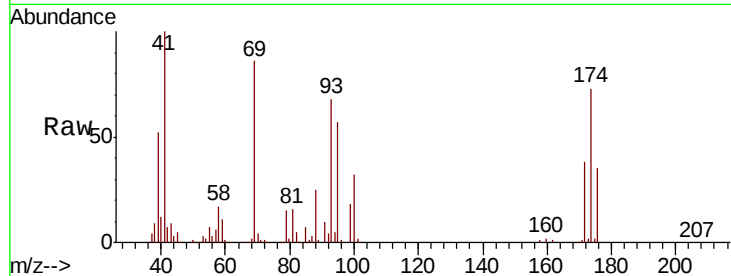
#49
1,4-Dioxane
Concen: 829.93 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.9	40.3
58	68.6	57.3	85.9

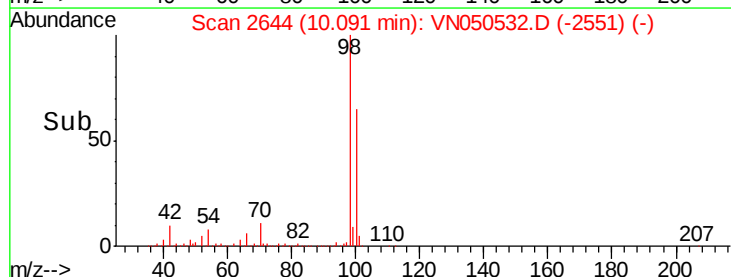
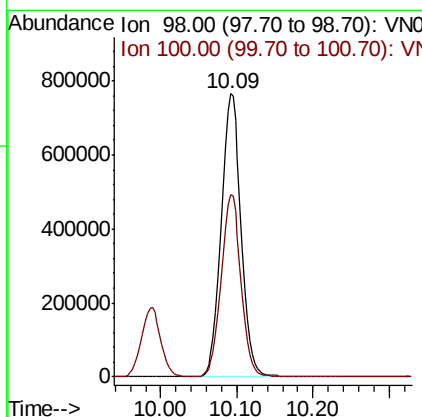
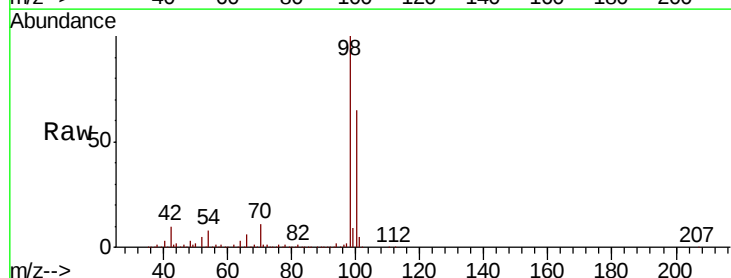
Manual Integrations
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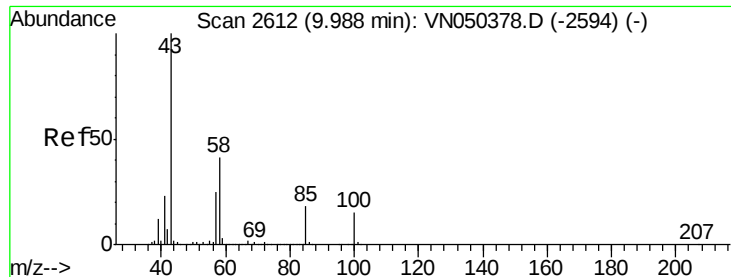
MMDadoda
8/13/2018 11:05:48 AM



#50
Toluene-d8
Concen: 48.96 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 231.04 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2134327

Ion Ratio Lower Upper

43 100

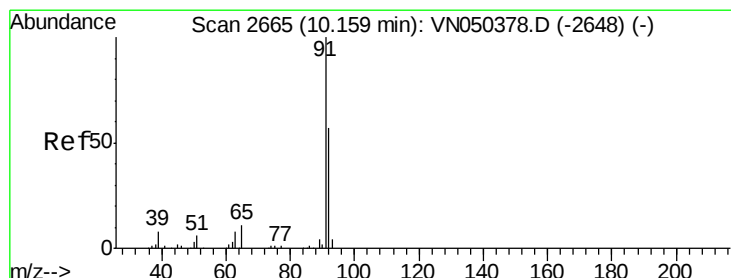
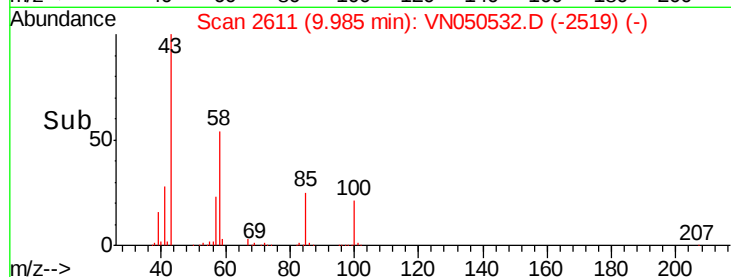
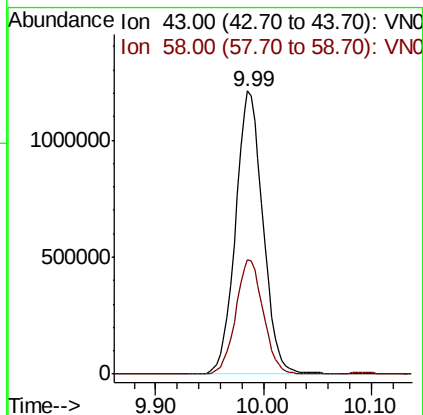
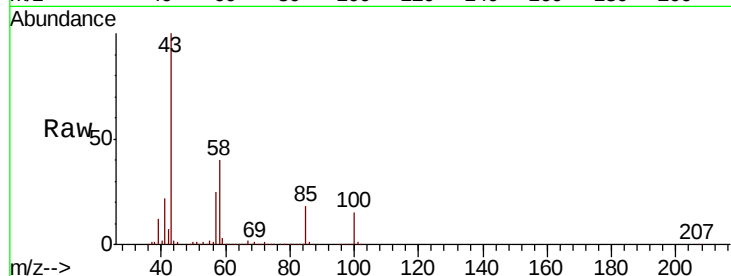
58 40.6 31.9 47.9

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MMDadoda

8/13/2018 11:05:48 AM



#52

Toluene

Concen: 50.62 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050532.D

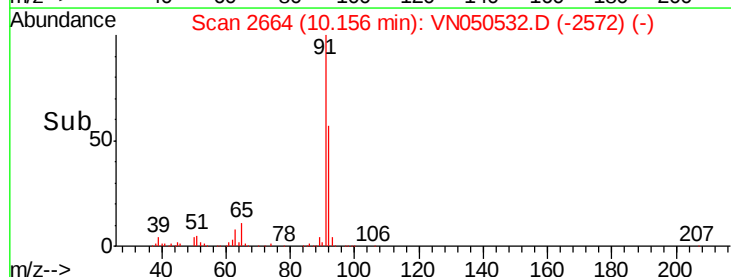
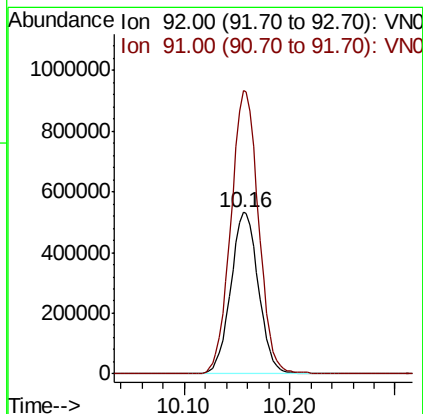
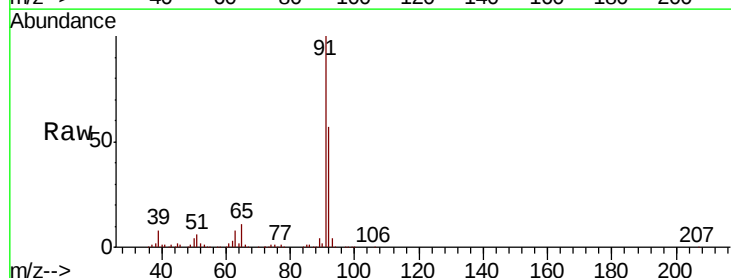
Acq: 10 Aug 2018 21:34

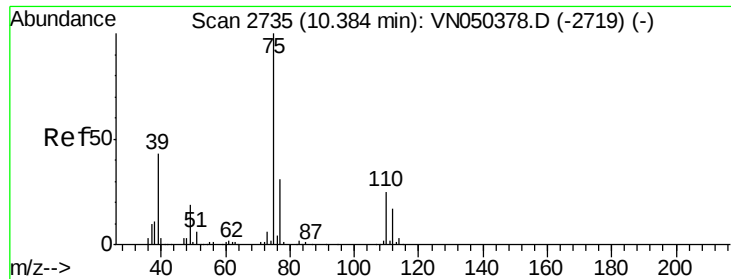
Tgt Ion: 92 Resp: 964560

Ion Ratio Lower Upper

92 100

91 176.0 140.3 210.5





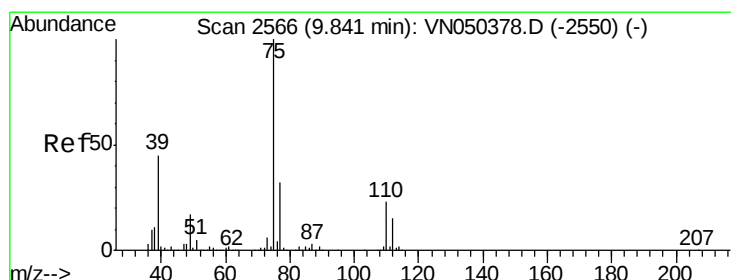
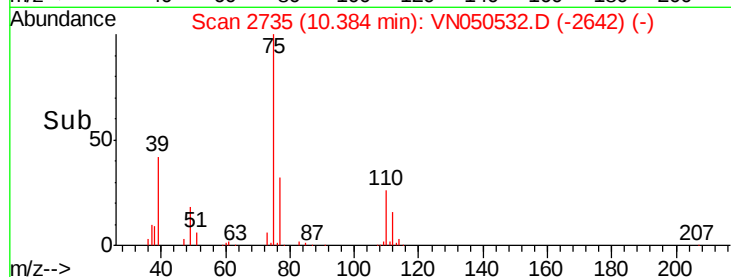
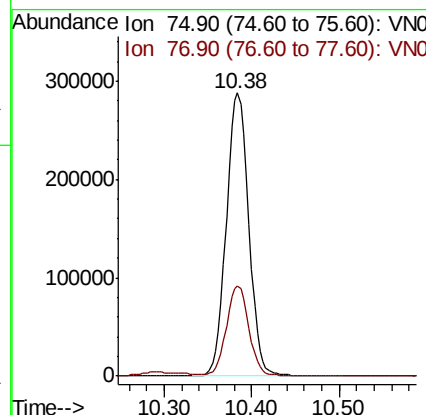
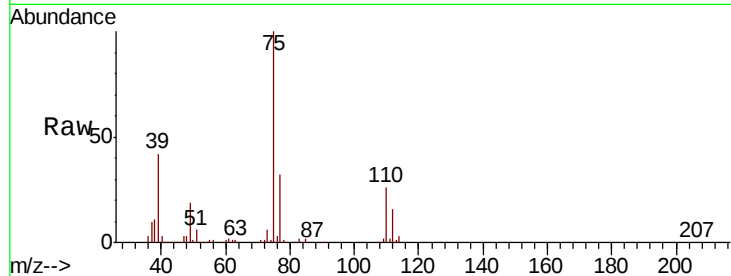
#53
t-1,3-Dichloropropene
Concen: 47.89 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.9	37.3

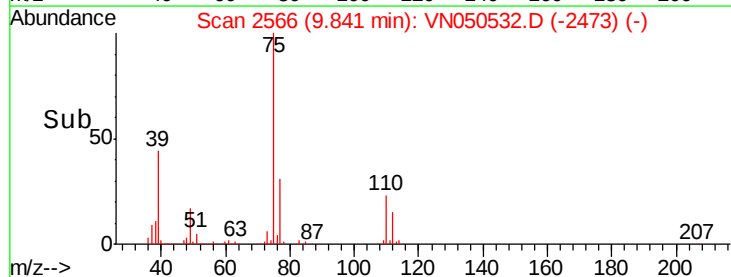
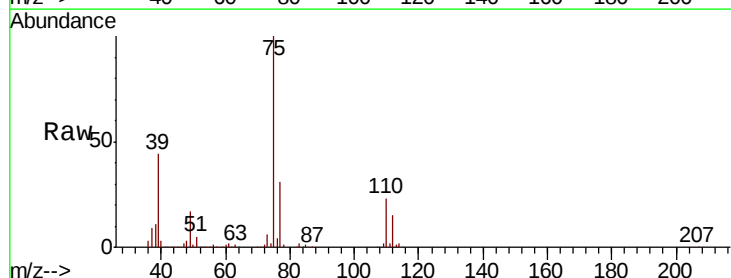
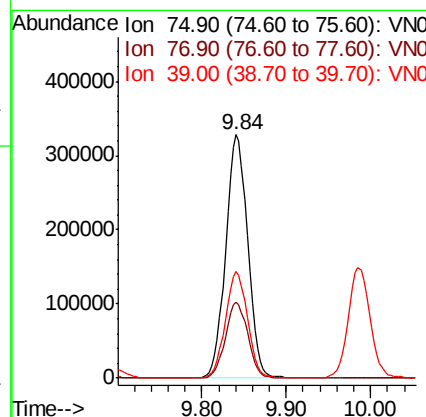
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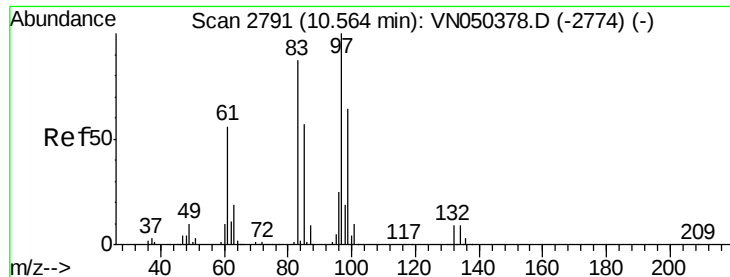
MMDadoda
8/13/2018 11:05:48 AM



#54
cis-1,3-Dichloropropene
Concen: 49.86 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3
39	43.6	36.6	55.0





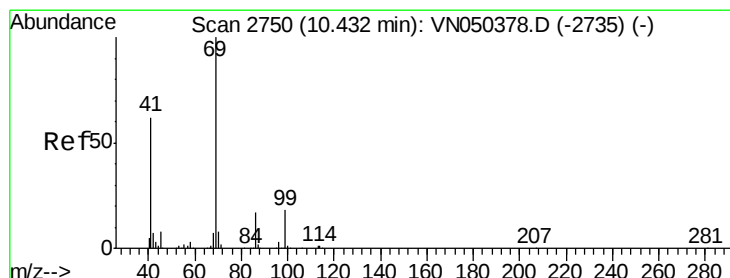
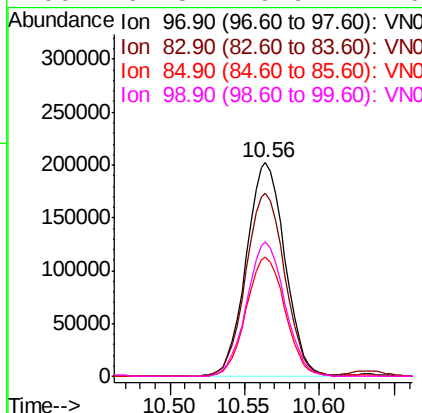
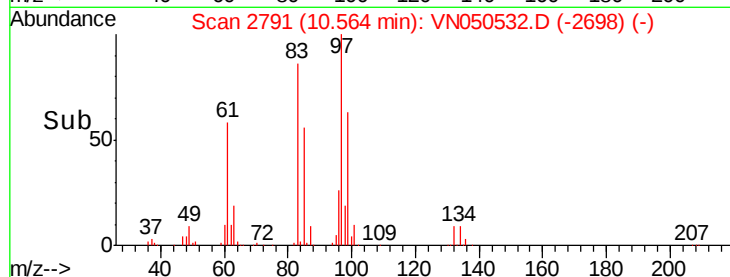
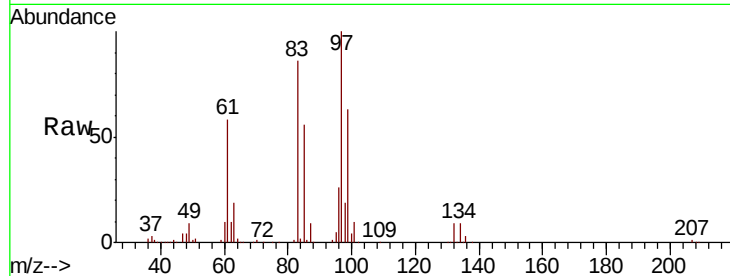
#55
 1,1,2-Trichloroethane
 Concen: 48.82 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		363195		
83	85.9	69.2	103.8		
85	55.7	44.0	66.0		
99	62.8	49.9	74.9		

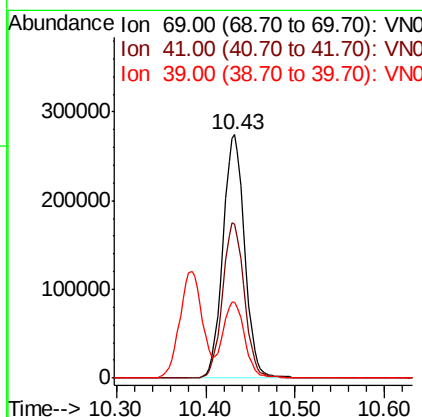
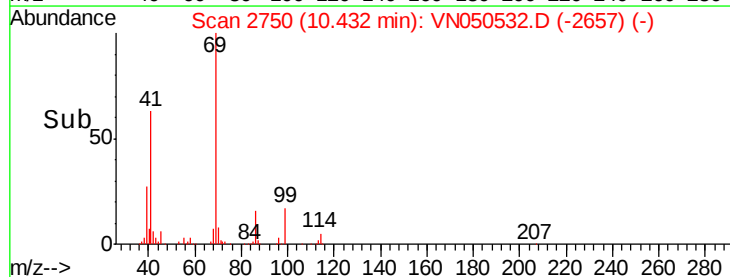
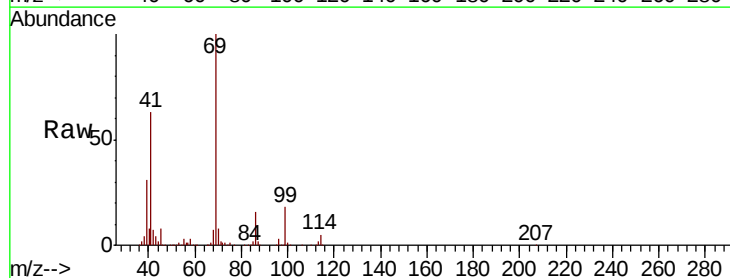
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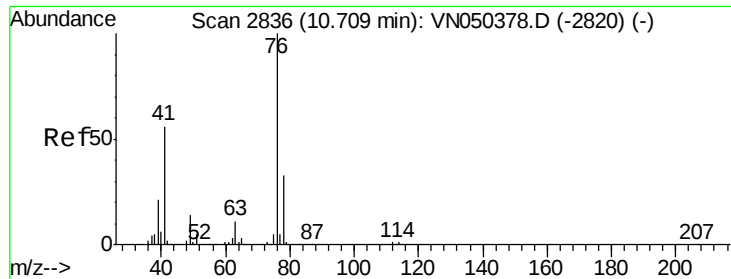
MMDadoda
 8/13/2018 11:05:48 AM



#56
 Ethyl methacrylate
 Concen: 44.11 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		462125		
41	63.3	51.0	76.4		
39	31.3	26.6	40.0		





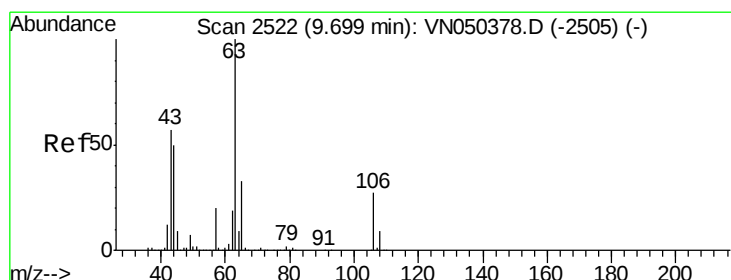
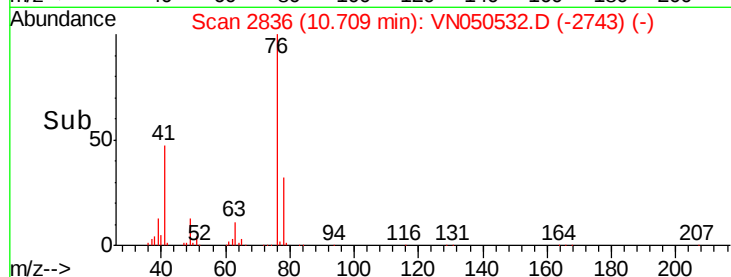
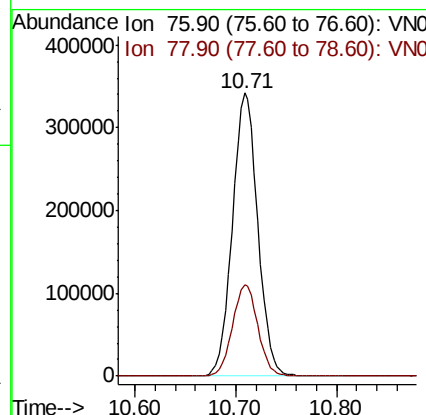
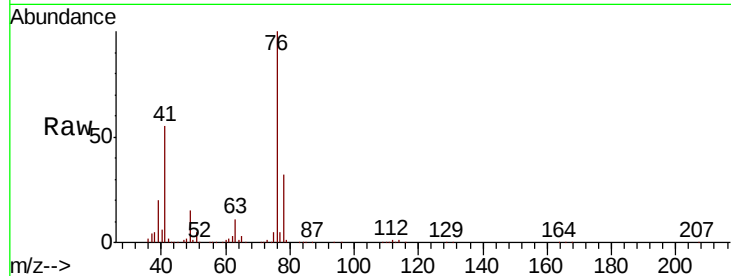
#57
 1,3-Dichloropropane
 Concen: 49.03 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

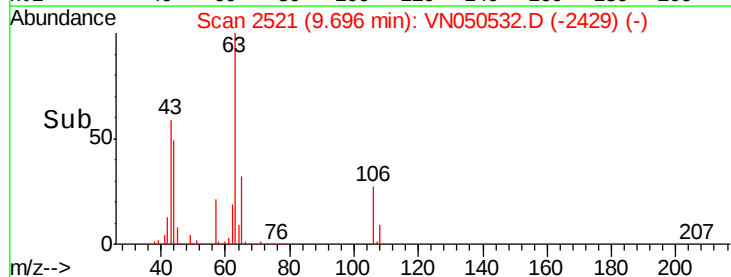
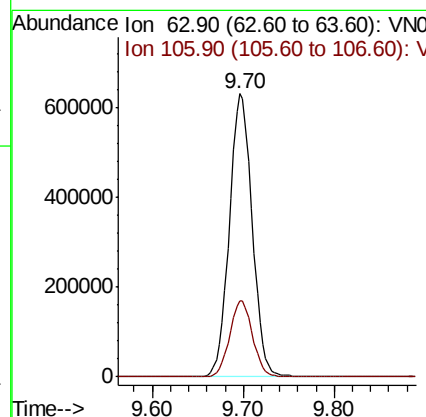
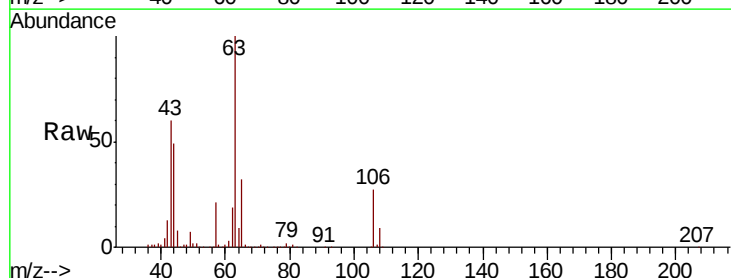
Manual Integrations
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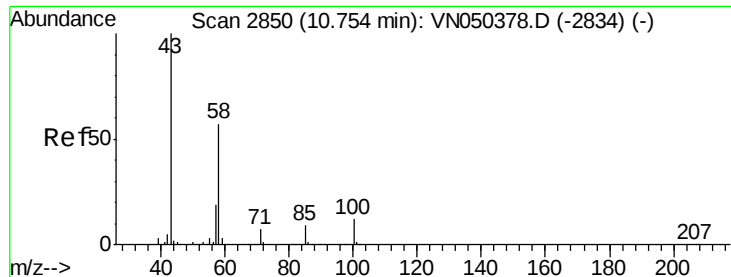
MMDadoda
 8/13/2018 11:05:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.87 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





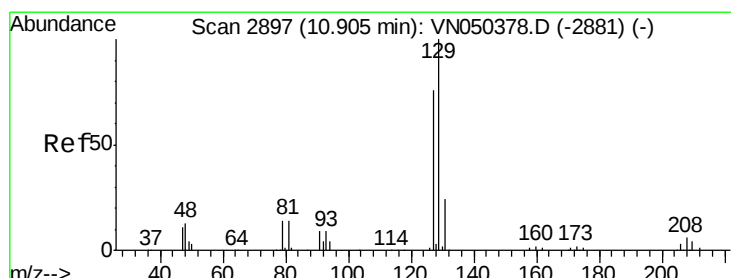
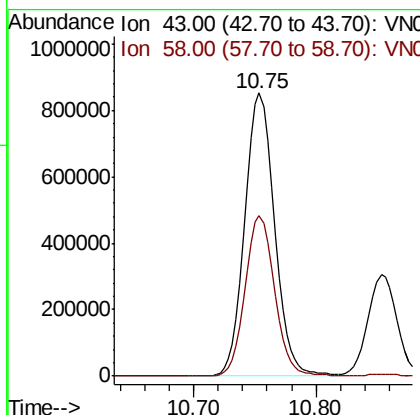
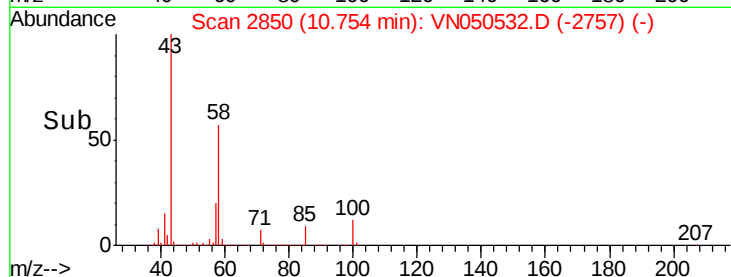
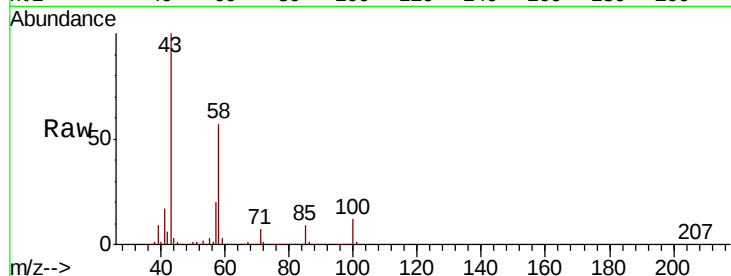
#59
2-Hexanone
Concen: 221.67 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1429145
Ion Ratio Lower Upper
43 100
58 56.2 27.6 82.7

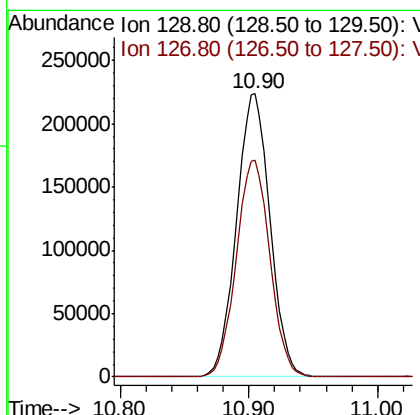
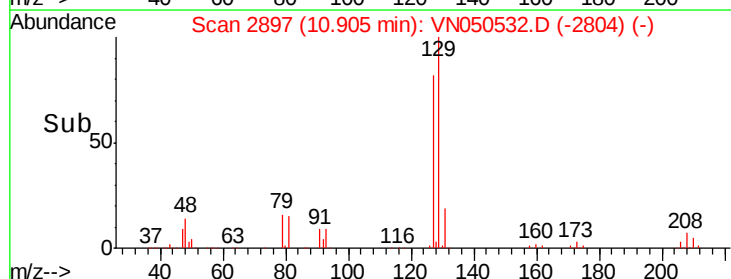
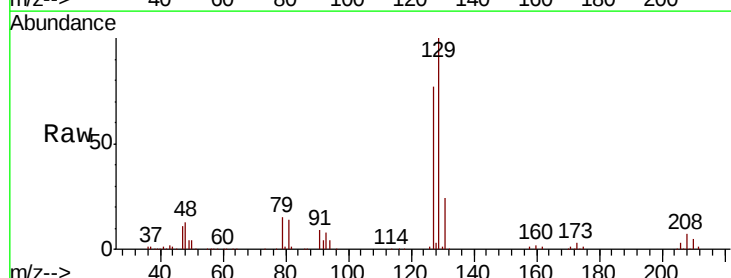
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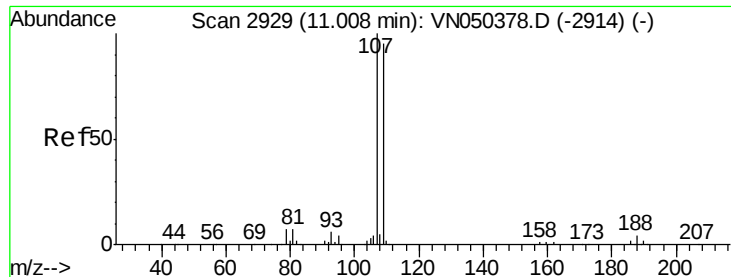
MMDadoda
8/13/2018 11:05:48 AM



#60
Dibromochloromethane
Concen: 49.38 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion: 129 Resp: 404668
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 48.60 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 356355

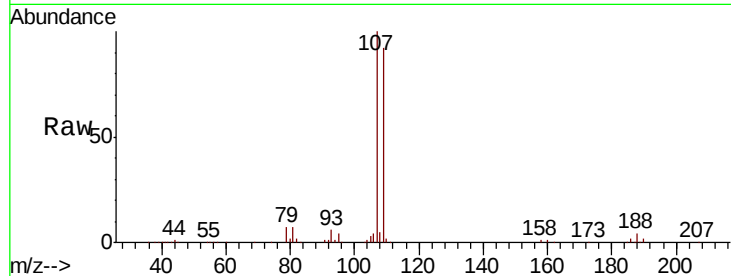
Ion Ratio Lower Upper

107 100

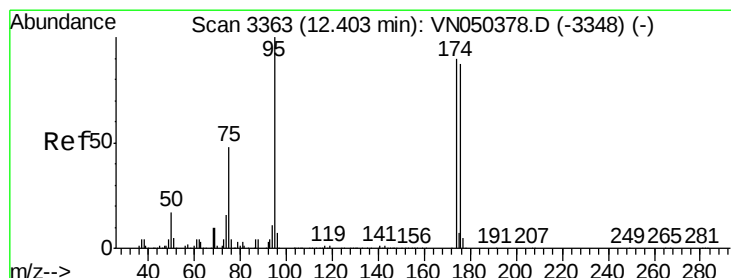
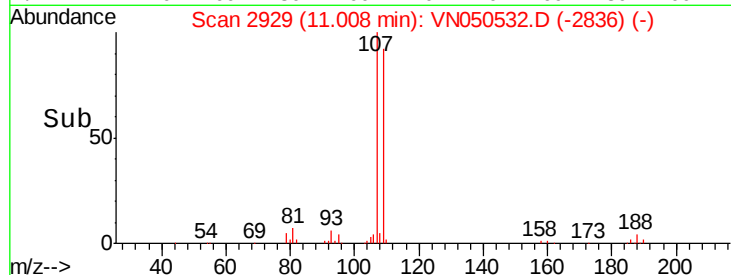
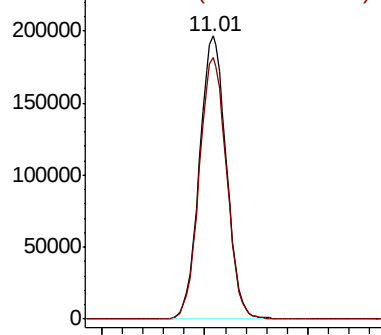
109 93.8 74.6 112.0

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Abundance Ion 106.90 (106.60 to 107.60): V



#62

4-Bromofluorobenzene

Concen: 48.30 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

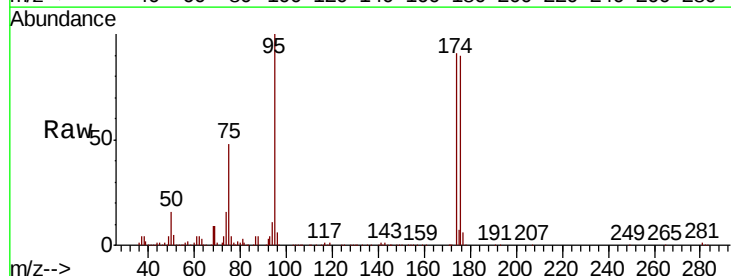
Tgt Ion: 95 Resp: 466342

Ion Ratio Lower Upper

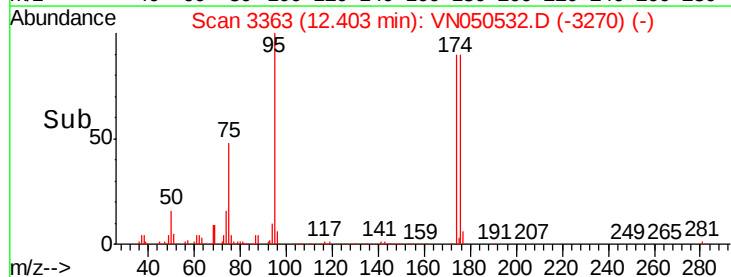
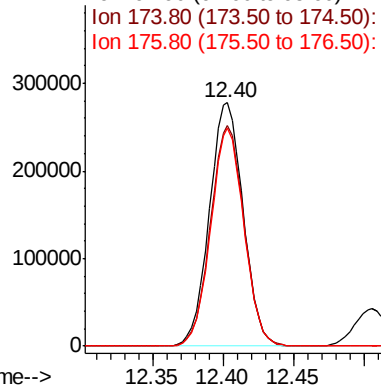
95 100

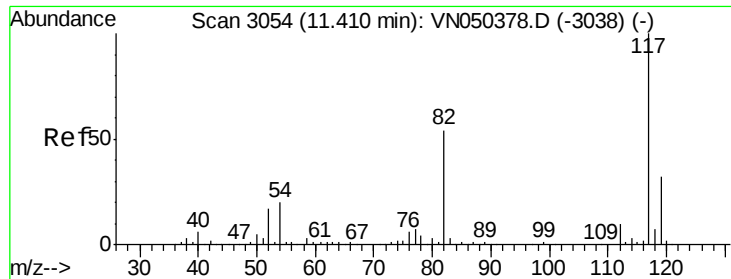
174 90.2 0.0 178.2

176 87.9 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V





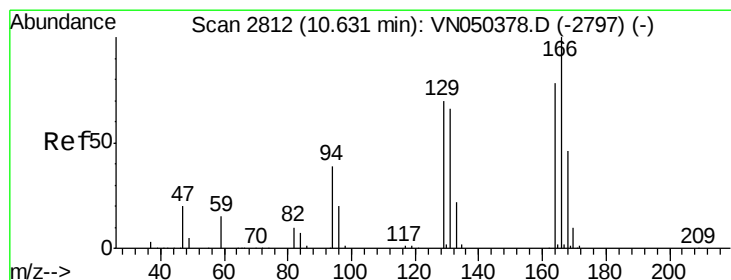
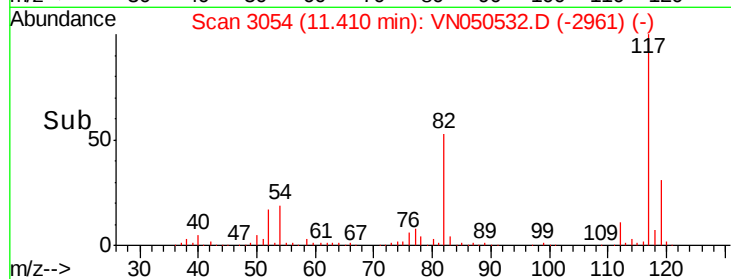
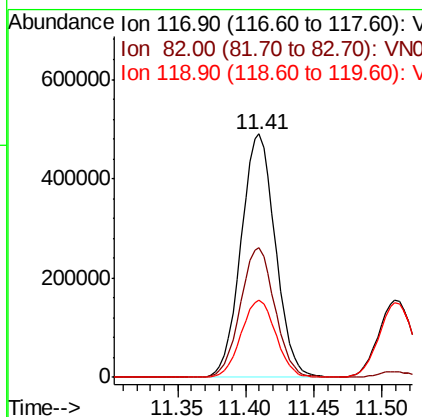
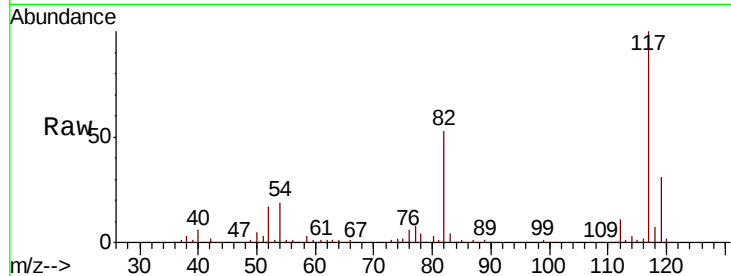
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.7	65.5
119	31.5	26.1	39.1

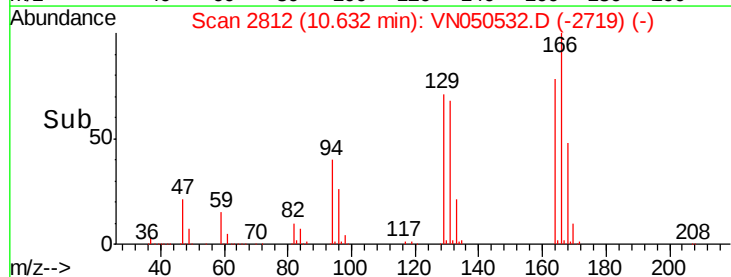
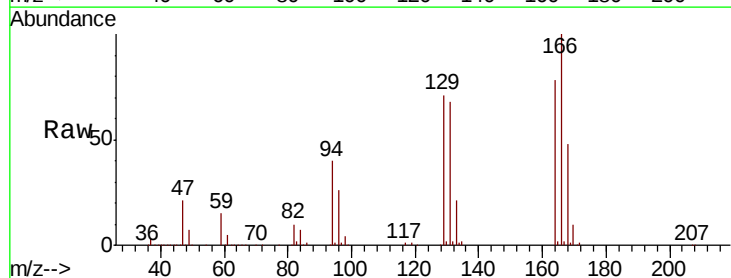
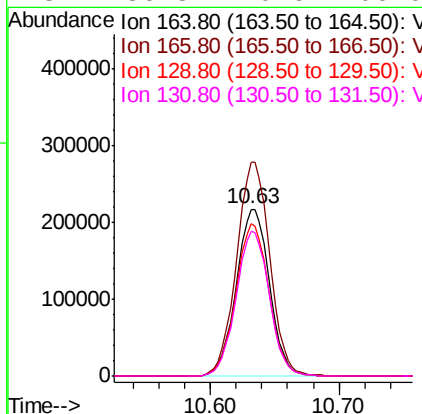
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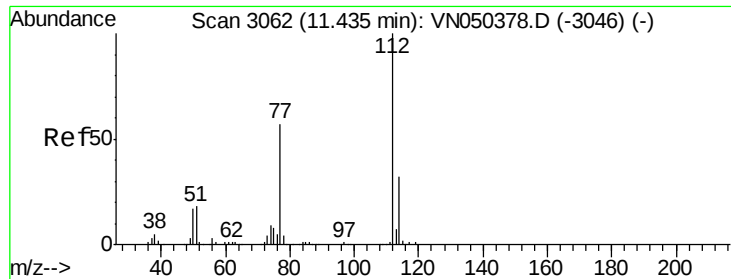
MMDadoda
8/13/2018 11:05:48 AM



#64
Tetrachloroethene
Concen: 48.37 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.1	153.1
129	91.1	73.2	109.8
131	86.8	70.6	106.0





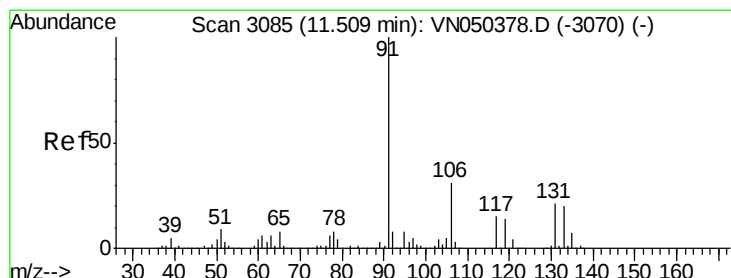
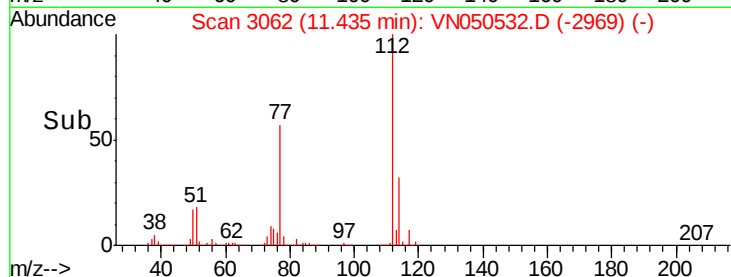
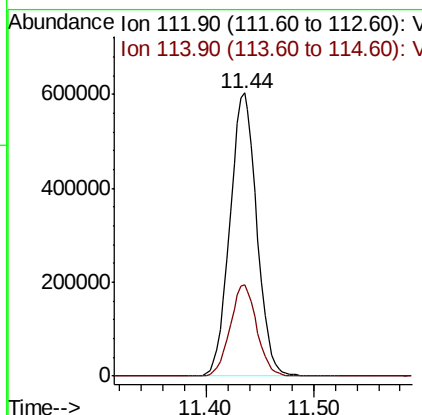
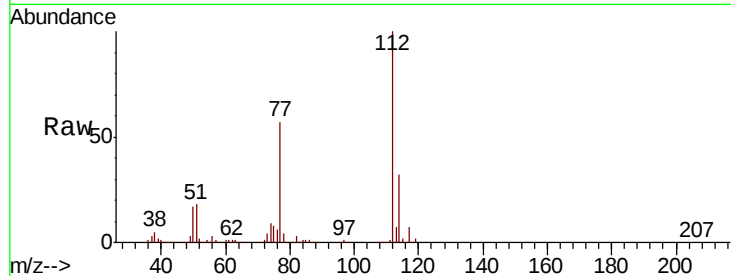
#65
Chlorobenzene
Concen: 48.77 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1045813
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

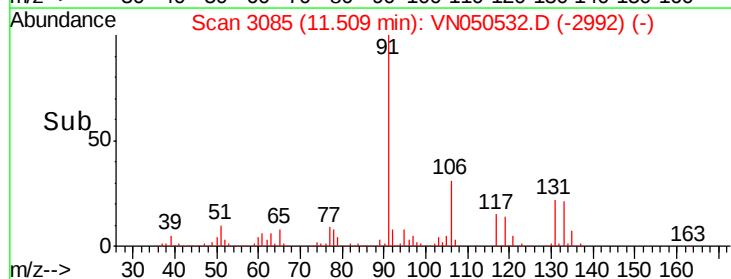
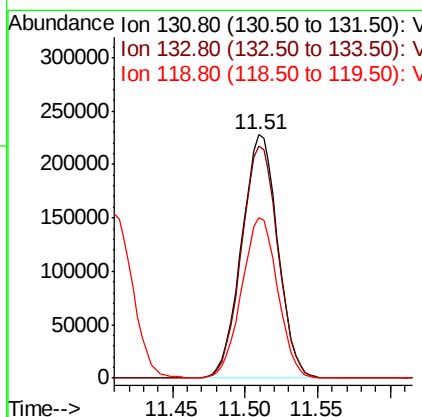
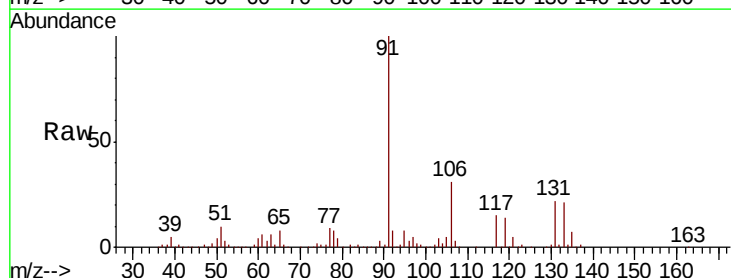
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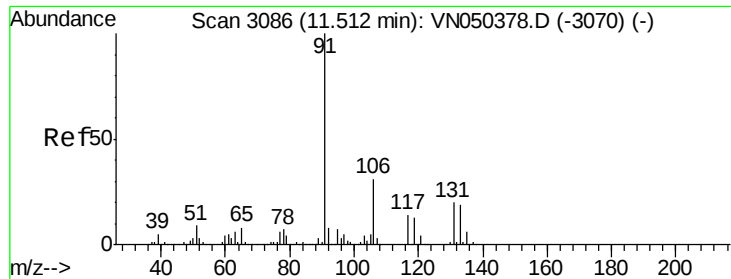
MMDadoda
8/13/2018 11:05:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.83 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion:131 Resp: 396670
Ion Ratio Lower Upper
131 100
133 96.4 47.3 141.9
119 65.6 32.9 98.7





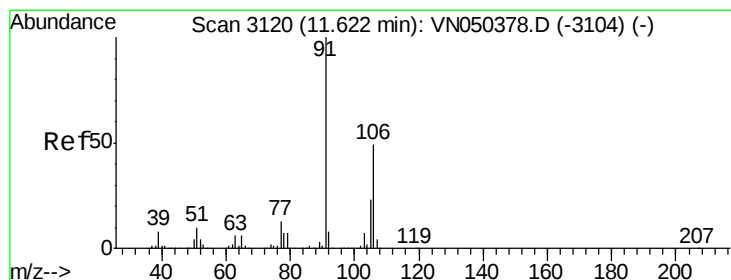
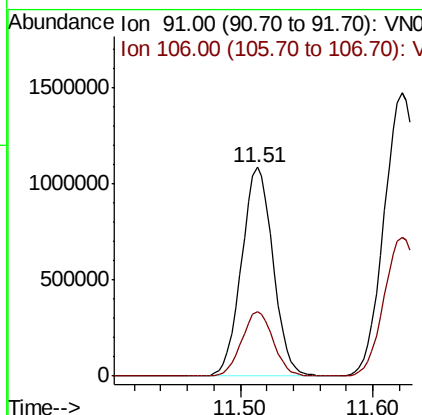
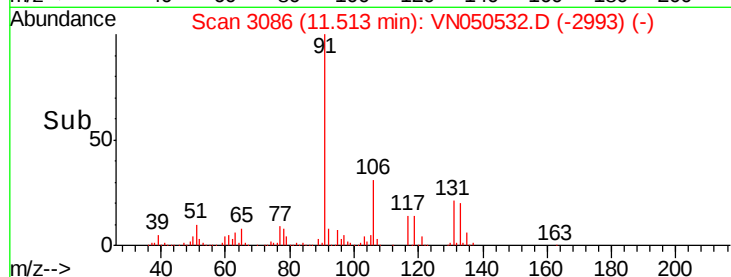
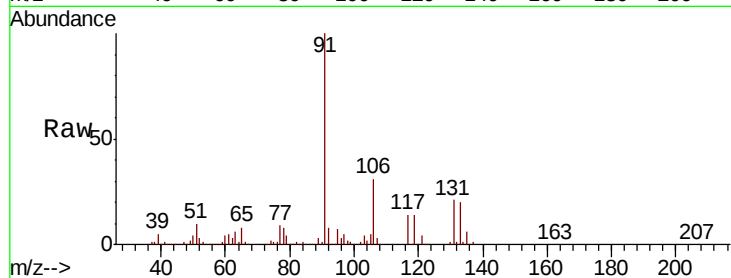
#67
Ethyl Benzene
Concen: 51.65 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1790102
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

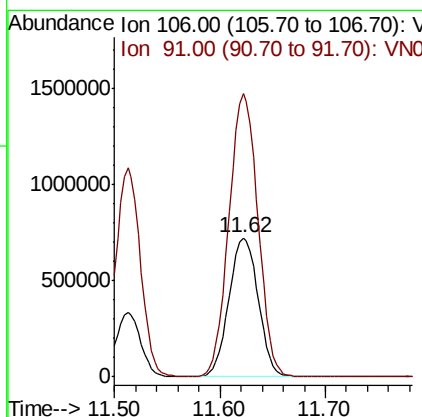
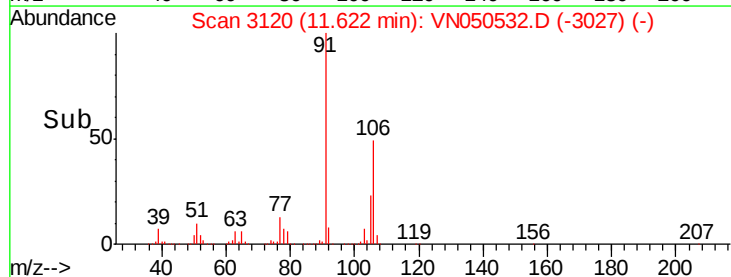
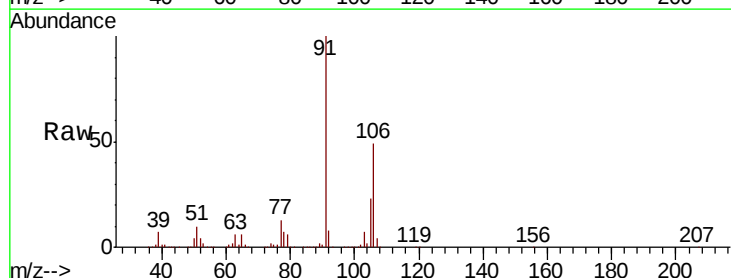
Manual Integrations
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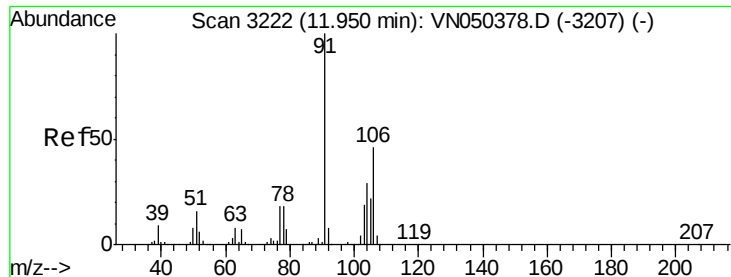
MMDadoda
8/13/2018 11:05:48 AM



#68
m/p-Xylenes
Concen: 105.37 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion: 106 Resp: 1390342
Ion Ratio Lower Upper
106 100
91 201.7 162.2 243.2





#69

o-Xylene

Concen: 51.82 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 658652

Ion Ratio Lower Upper

106 100

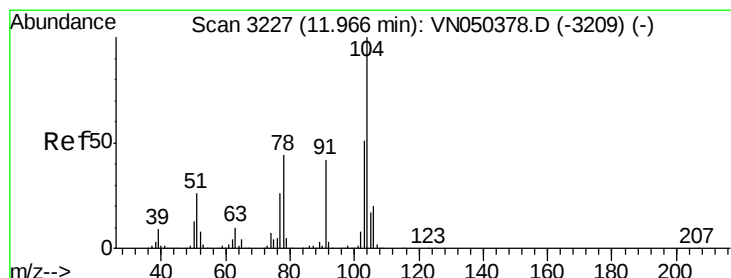
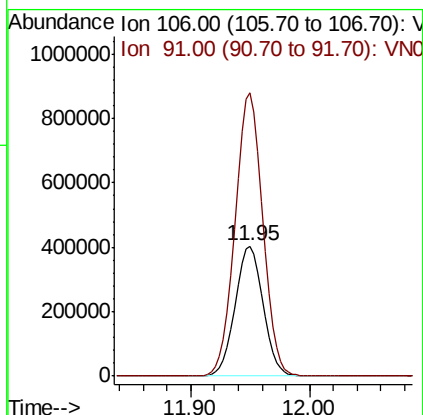
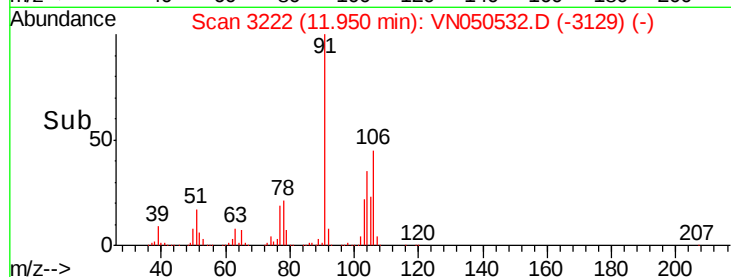
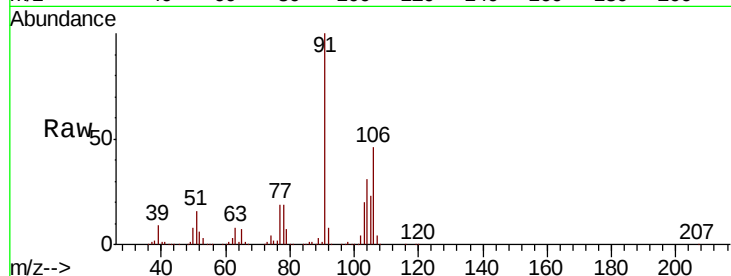
91 215.4 107.7 323.1

Manual Integrations

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#70

Styrene

Concen: 53.58 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

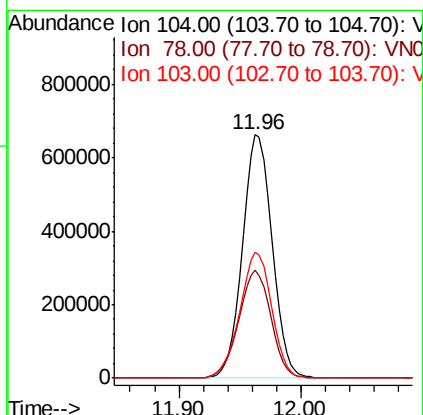
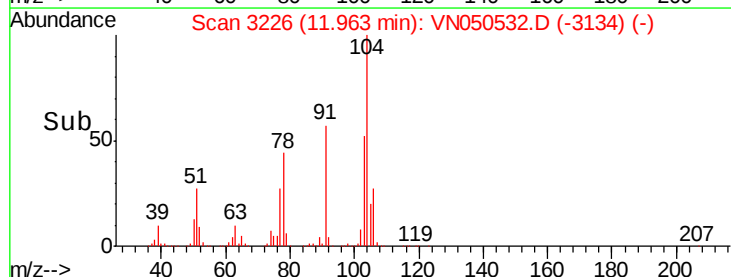
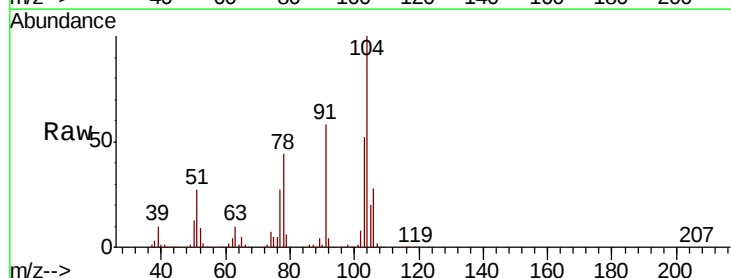
Tgt Ion:104 Resp: 1107527

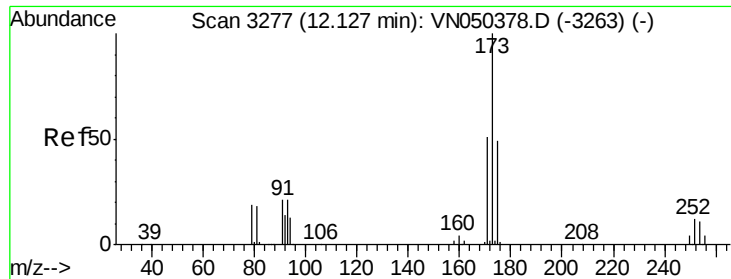
Ion Ratio Lower Upper

104 100

78 48.2 39.3 58.9

103 55.8 45.0 67.6





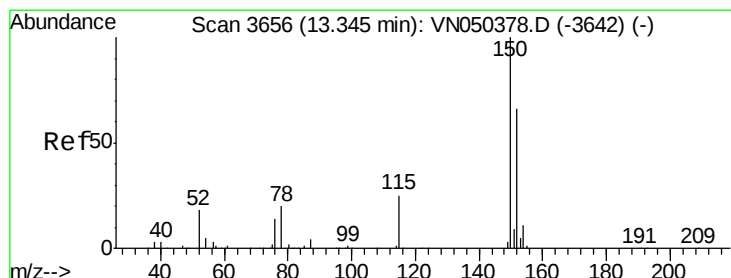
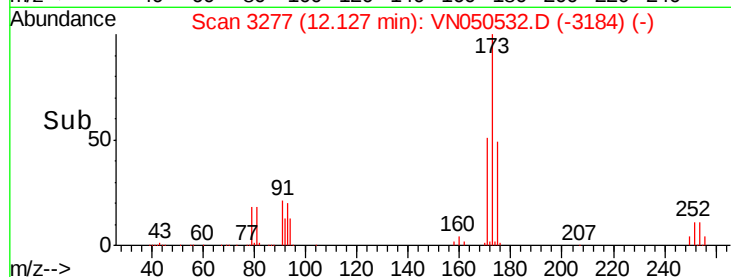
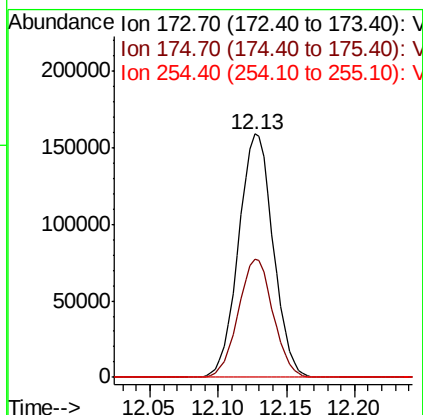
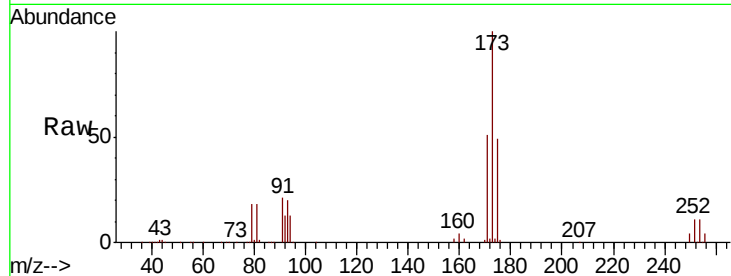
#71
Bromoform
Concen: 49.12 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.1	0.2	0.2#

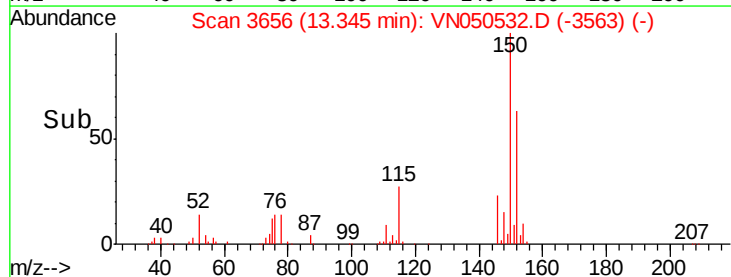
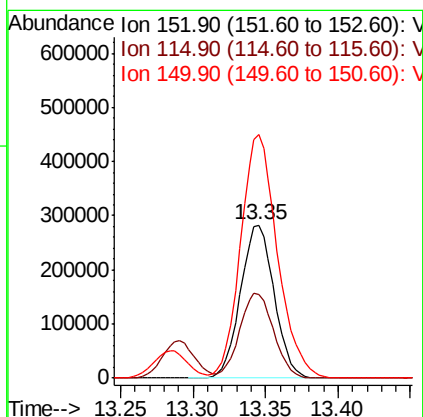
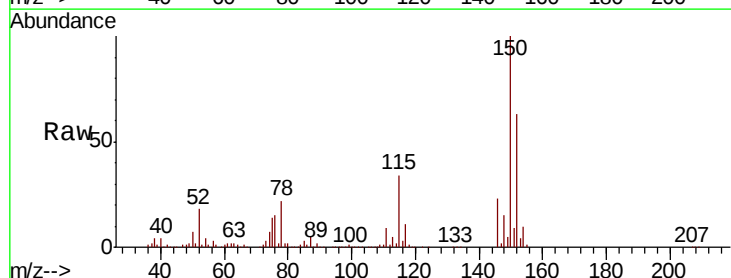
Manual Integrations
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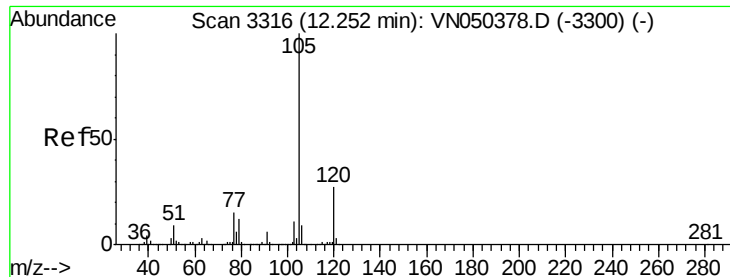
MMDadoda
8/13/2018 11:05:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.8	83.3
150	173.0	0.0	348.6





#73

Isopropylbenzene

Concen: 51.09 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1754514

Ion Ratio Lower Upper

105 100

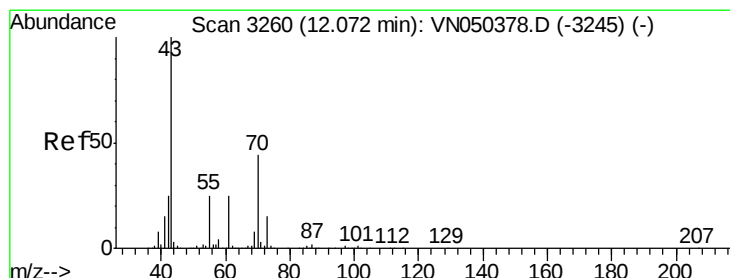
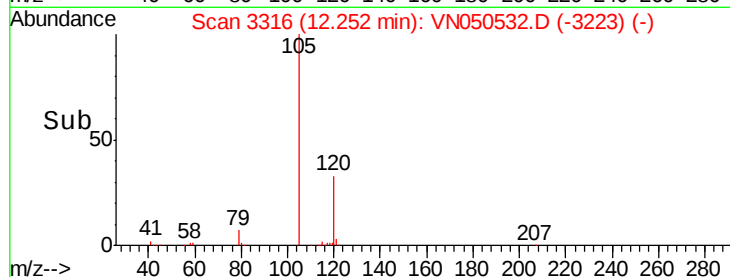
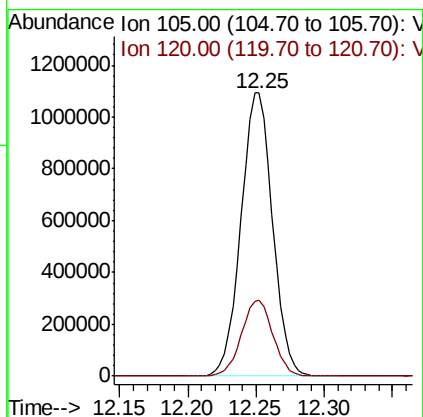
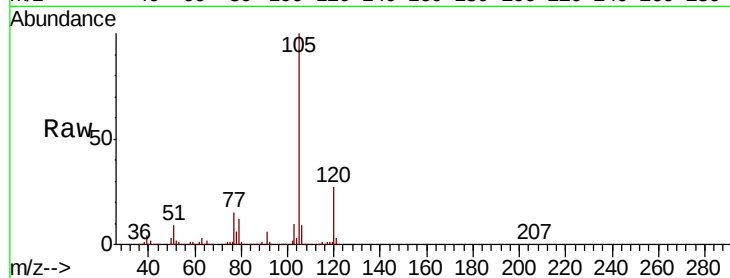
120 26.6 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.84 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Tgt Ion: 43 Resp: 510292

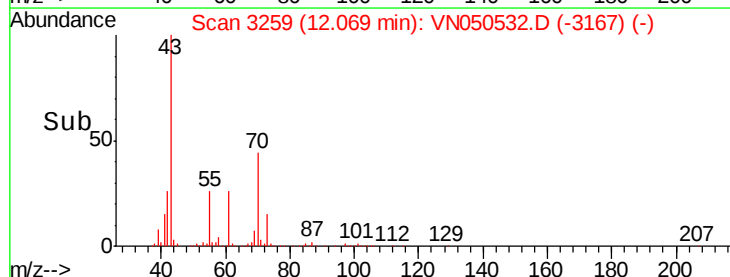
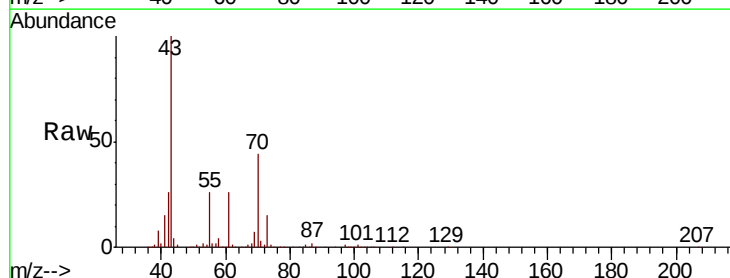
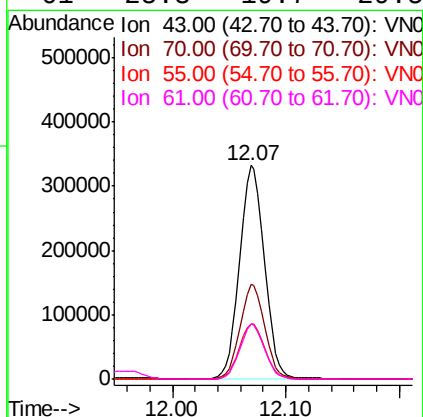
Ion Ratio Lower Upper

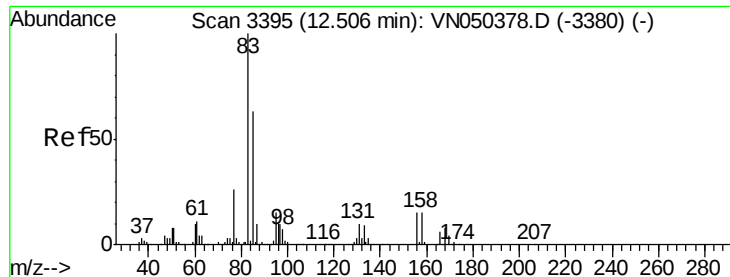
43 100

70 44.0 34.4 51.6

55 26.6 20.8 31.2

61 25.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.50 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

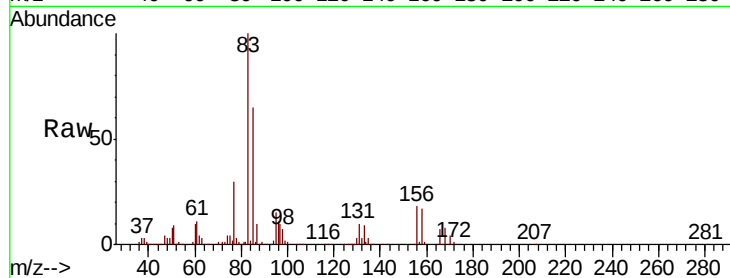
ClientSampleId :

VSTDCCC050

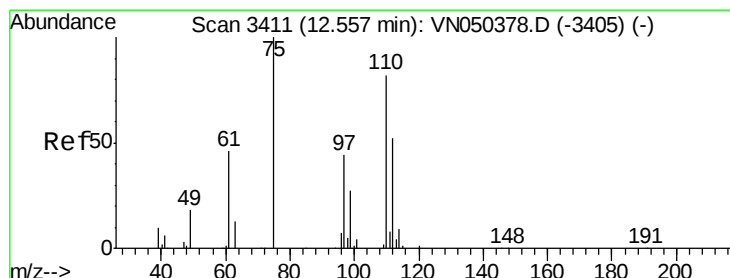
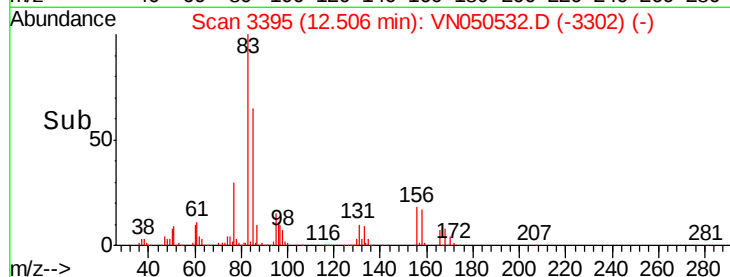
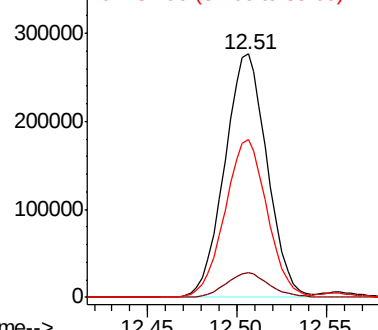
Tot Ion:	83	Resp:	460707
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	64.3	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 45.79 ug/l m

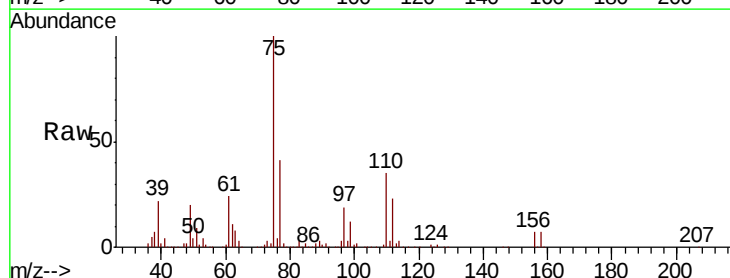
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

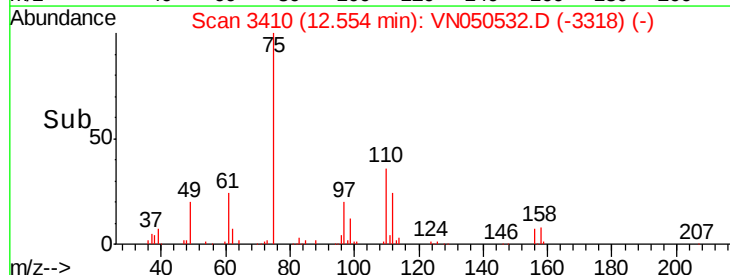
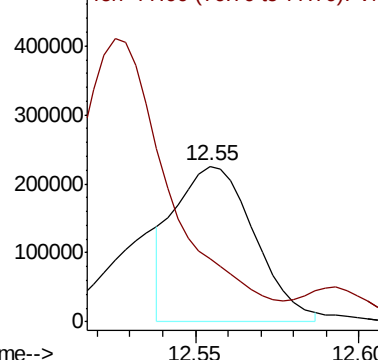
Lab File: VN050532.D

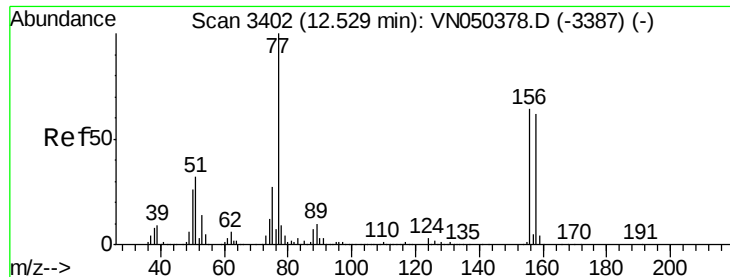
Acq: 10 Aug 2018 21:34

Tgt Ion:	75	Resp:	379237
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.18 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 452439

Ion Ratio Lower Upper

156 100

77 182.2 91.7 275.1

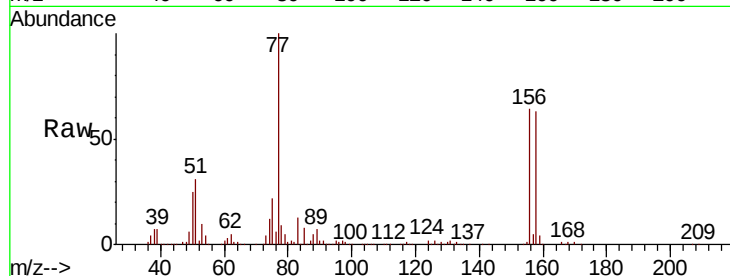
158 98.4 48.9 146.6

Manual Integrations

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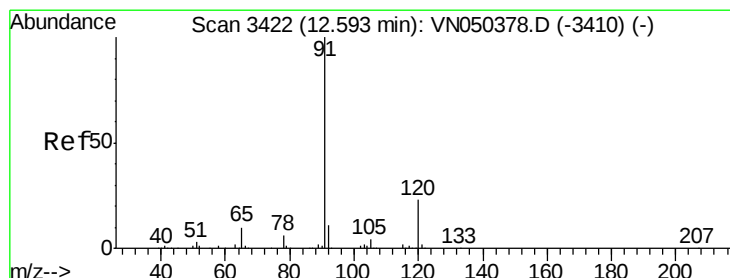
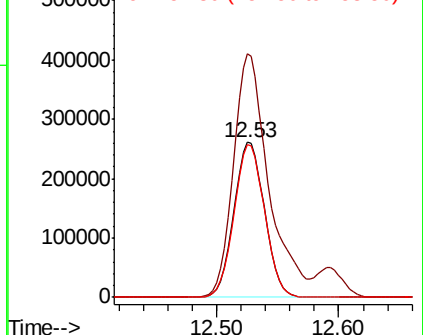
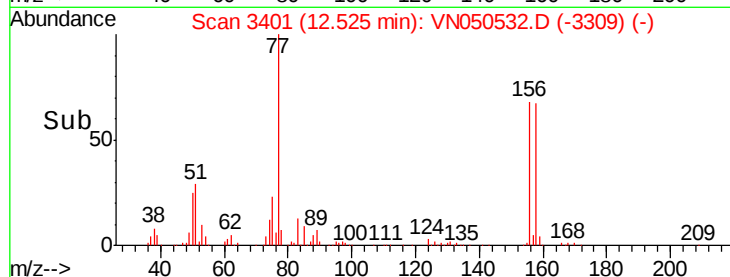
8/13/2018 11:05:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.78 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050532.D

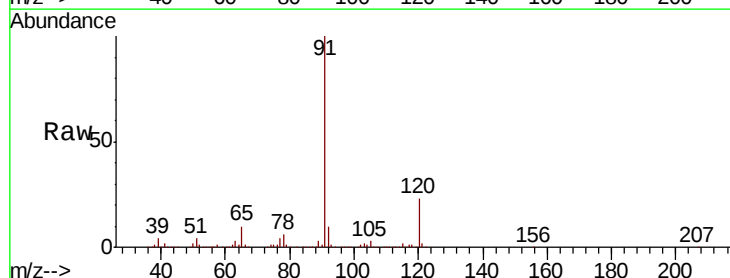
Acq: 10 Aug 2018 21:34

Tgt Ion: 91 Resp: 2012807

Ion Ratio Lower Upper

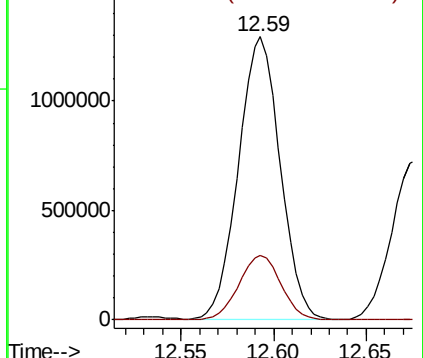
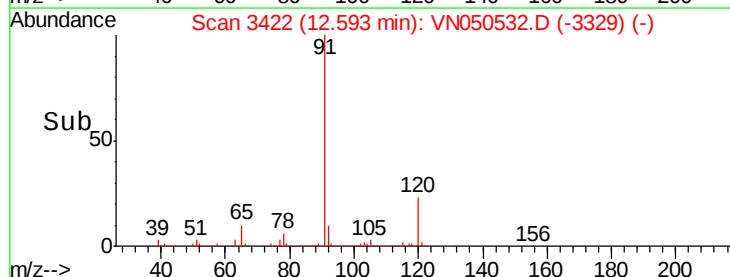
91 100

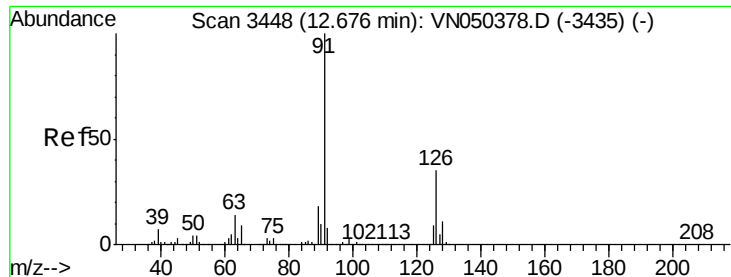
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.14 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1203823

Ion Ratio Lower Upper

91 100

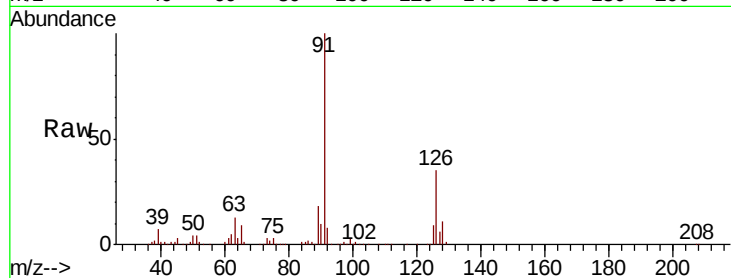
126 35.2 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

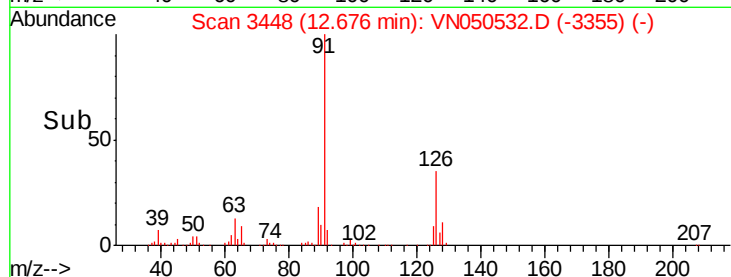
Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)

1000000

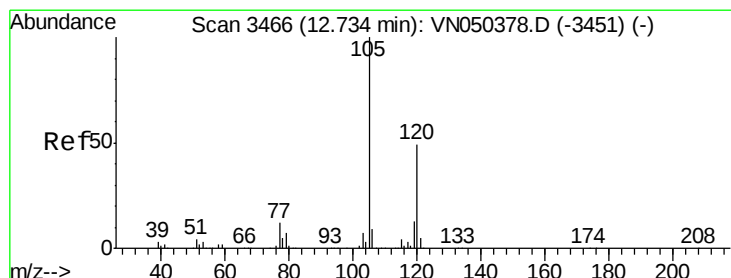
500000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.23 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050532.D

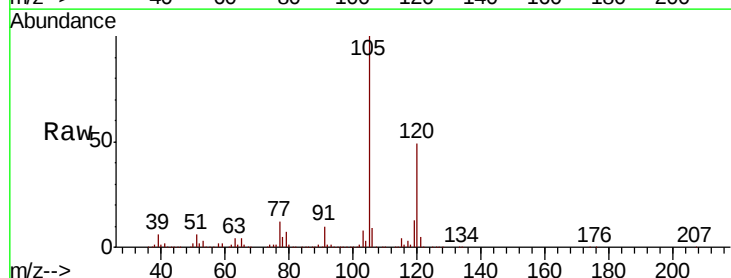
Acq: 10 Aug 2018 21:34

Tgt Ion:105 Resp: 1456222

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)

1000000

800000

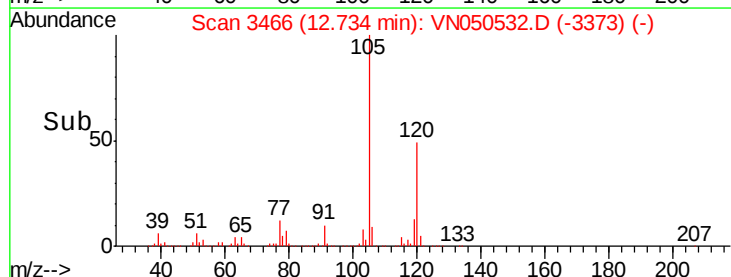
600000

400000

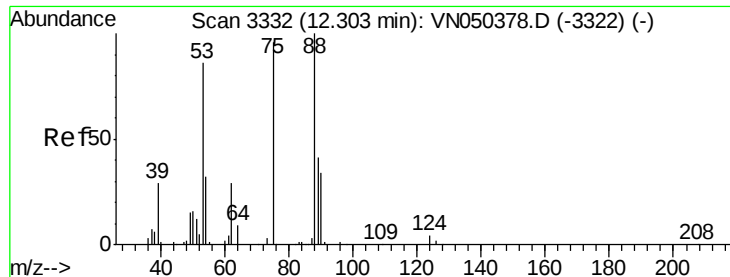
200000

0

12.70 12.80



Time-->



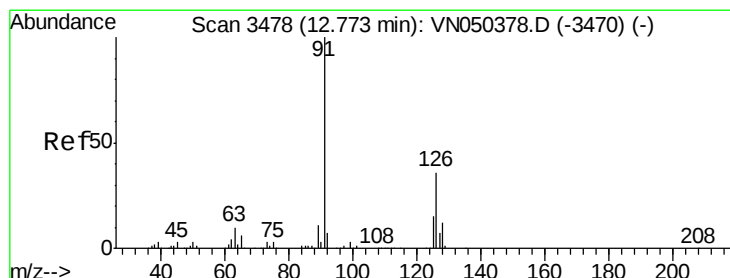
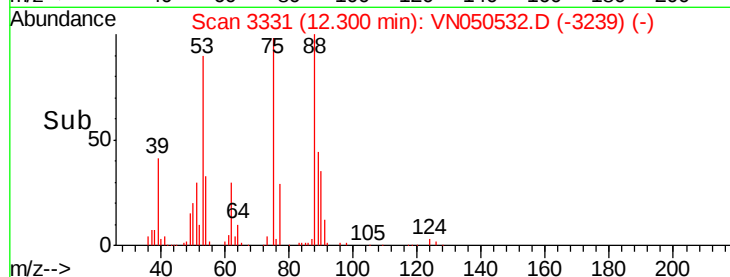
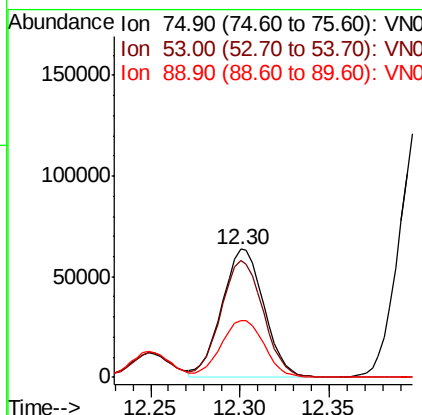
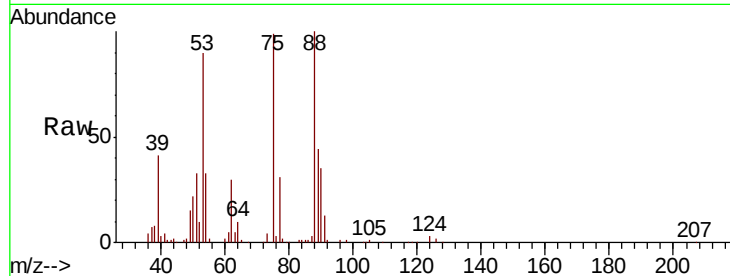
#81
trans-1,4-Dichloro-2-butene
Concen: 44.03 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	73.5	110.3
89	46.4	36.0	54.0

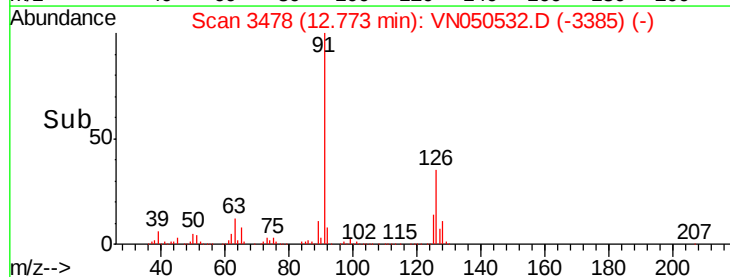
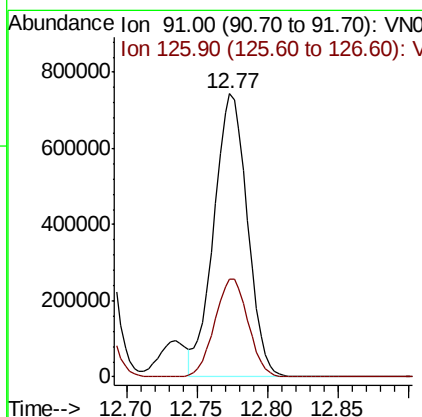
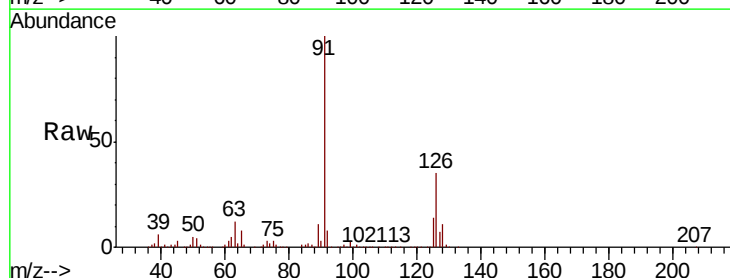
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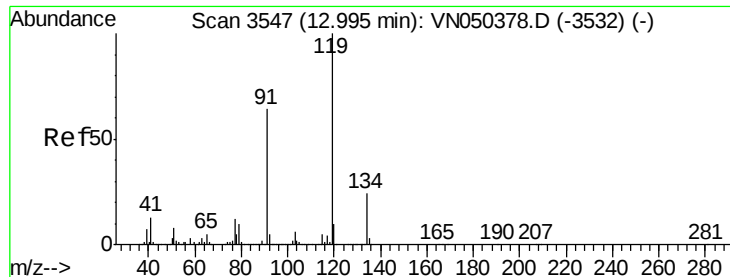
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#82
4-Chlorotoluene
Concen: 51.17 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0





#83

tert-Butylbenzene

Concen: 50.53 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

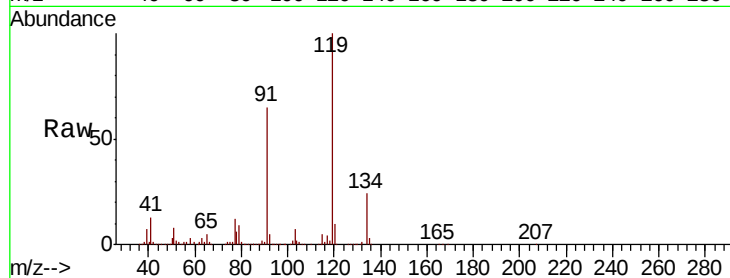
ClientSampleId :

VSTDCCC050

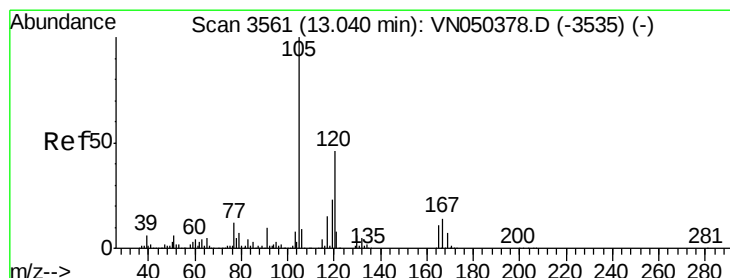
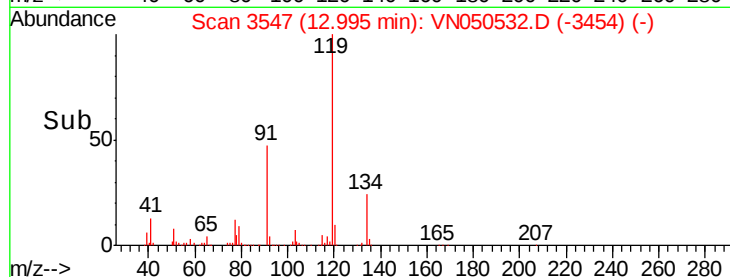
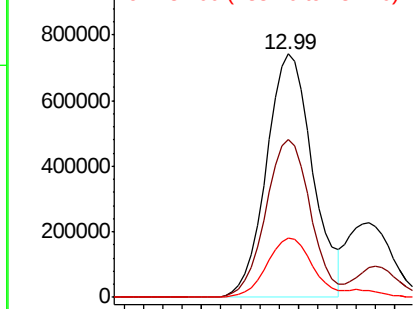
Tot Ion:	119	Resp:	1228807
Ion	Ratio	Lower	Upper
119	100		
91	63.4	32.1	96.3
134	24.3	13.2	39.5

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.79 ug/l

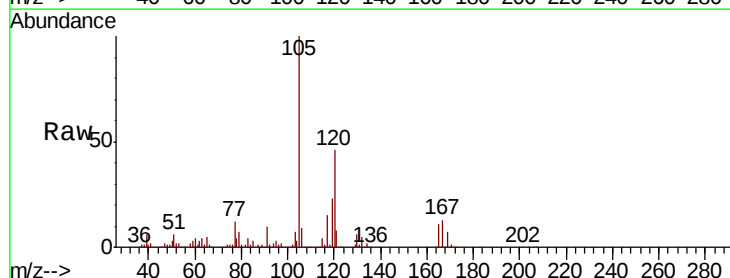
RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

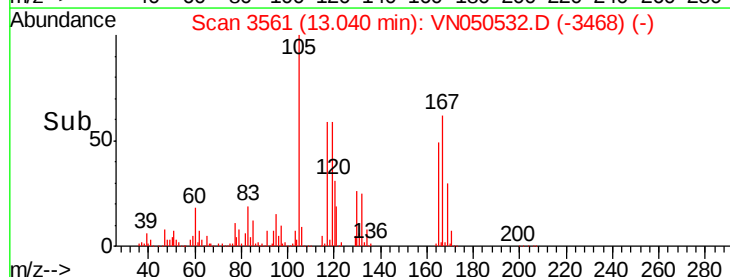
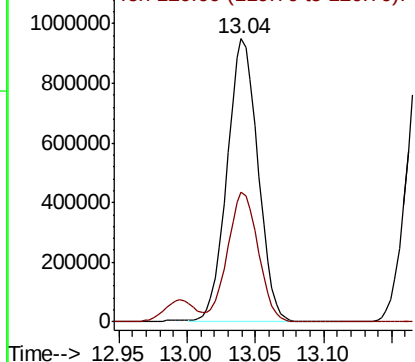
Lab File: VN050532.D

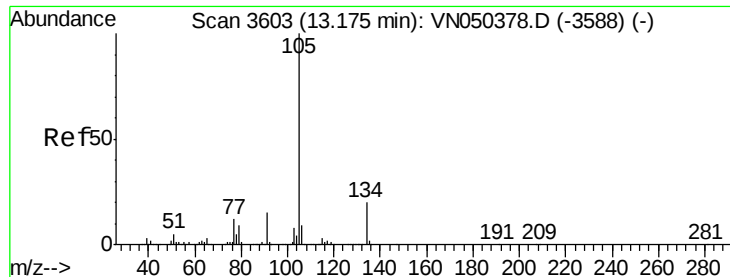
Acq: 10 Aug 2018 21:34

Tgt Ion:	105	Resp:	1490857
Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.11 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1624388

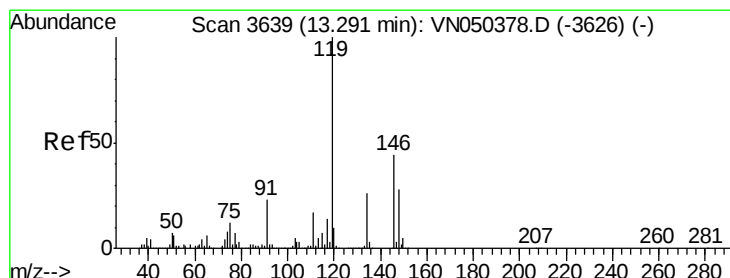
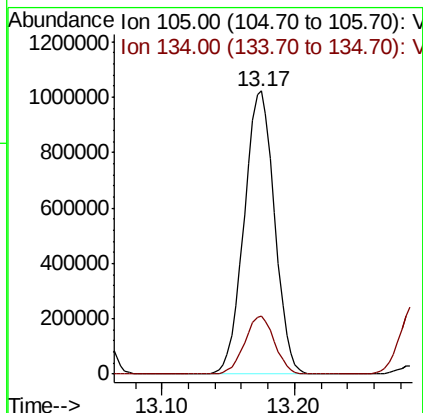
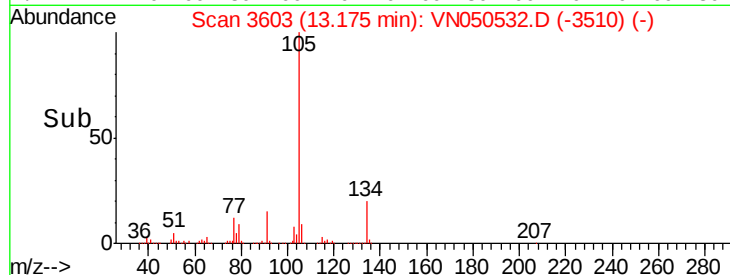
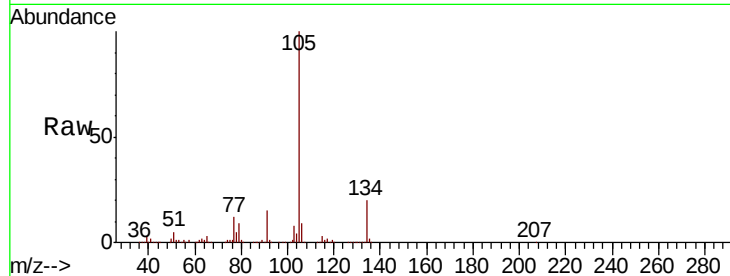
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 51.12 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050532.D

Acq: 10 Aug 2018 21:34

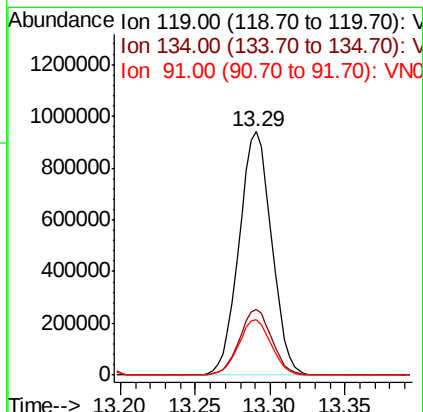
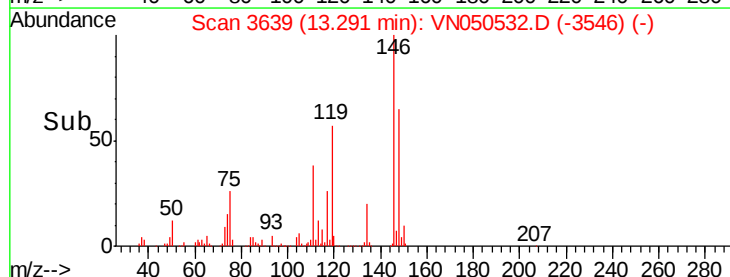
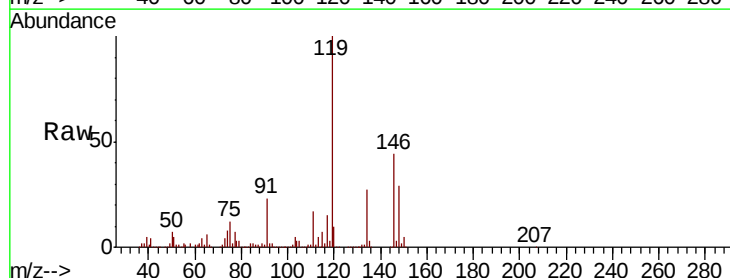
Tgt Ion:119 Resp: 1420020

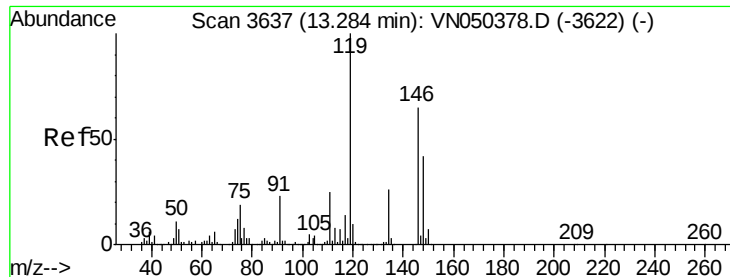
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 22.6 11.4 34.2





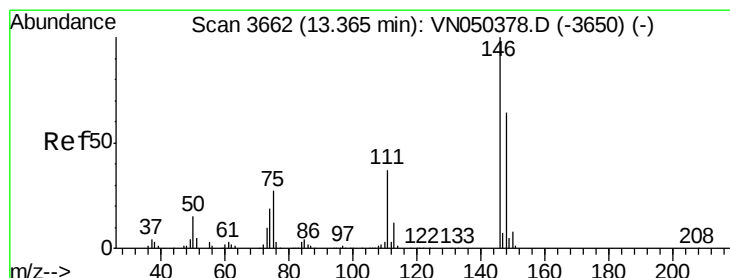
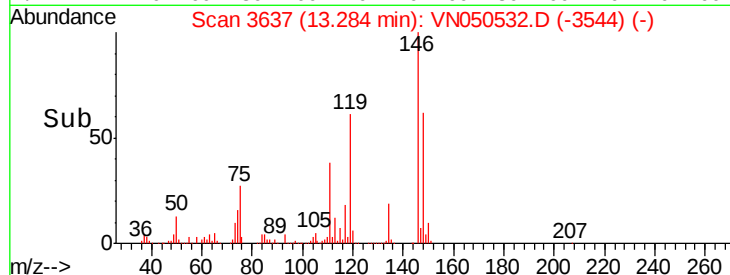
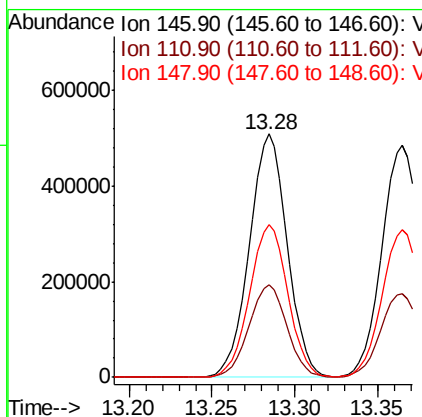
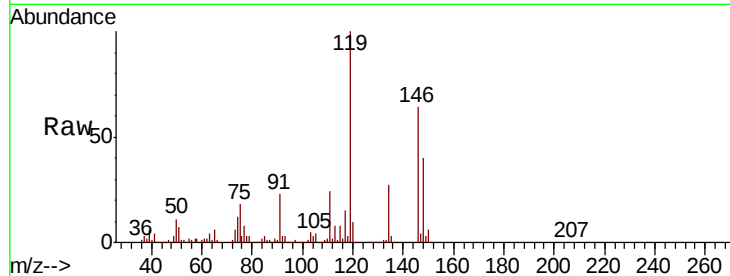
#87
 1,3-Dichlorobenzene
 Concen: 49.32 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	63.5	31.9	95.9

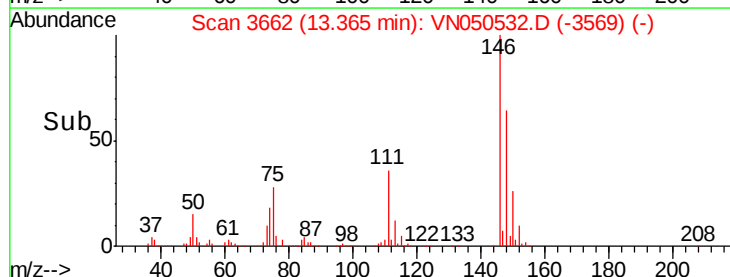
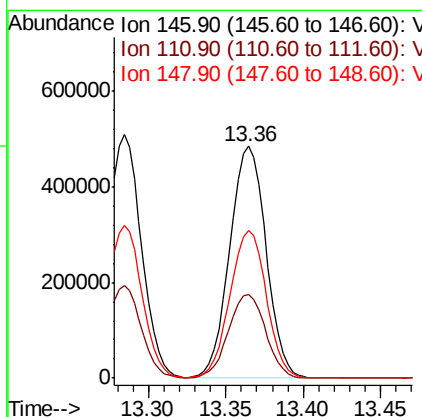
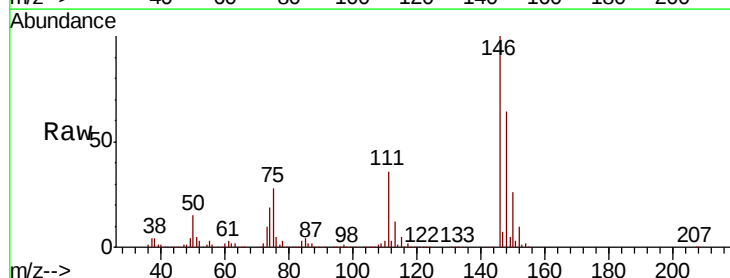
Manual Integrations
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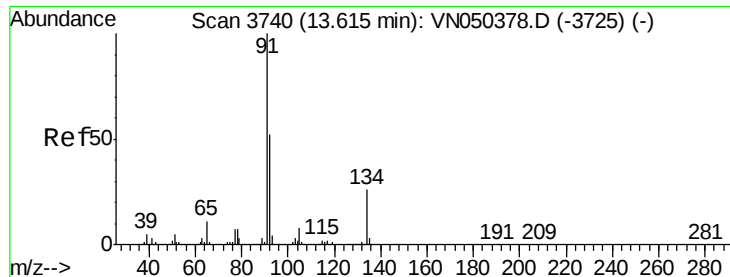
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#88
 1,4-Dichlorobenzene
 Concen: 48.34 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.3	54.9
148	63.9	31.9	95.9





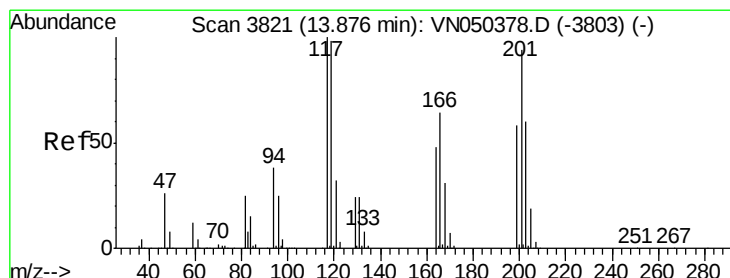
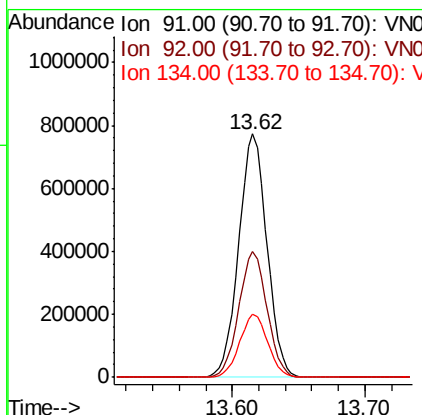
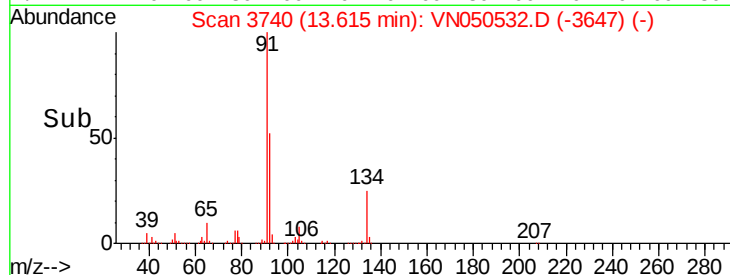
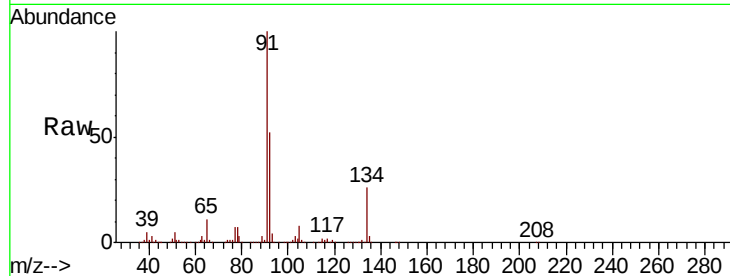
#89
n-Butylbenzene
Concen: 48.26 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.4
134	25.9	12.8	38.4

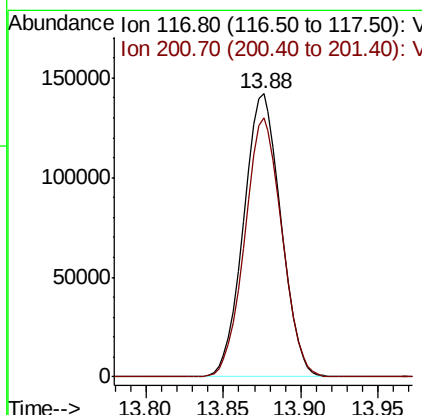
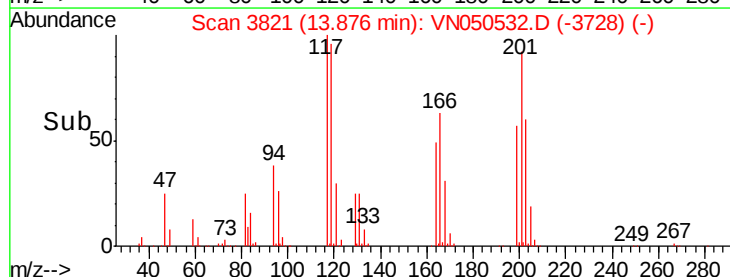
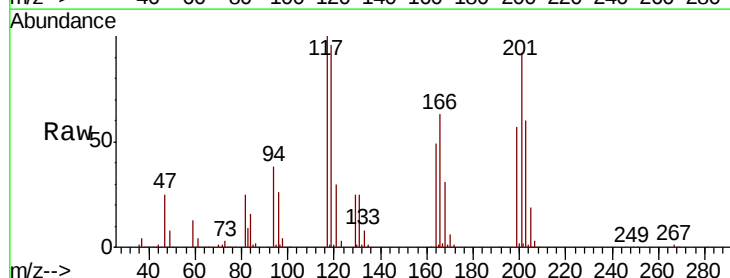
Manual Integrations
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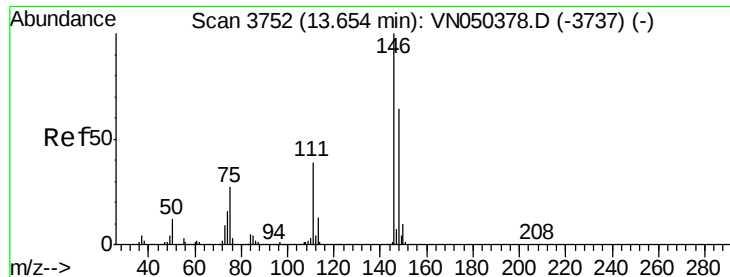
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#90
Hexachloroethane
Concen: 48.41 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	45.6	136.8





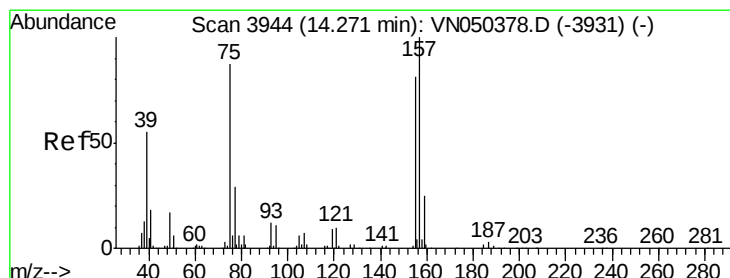
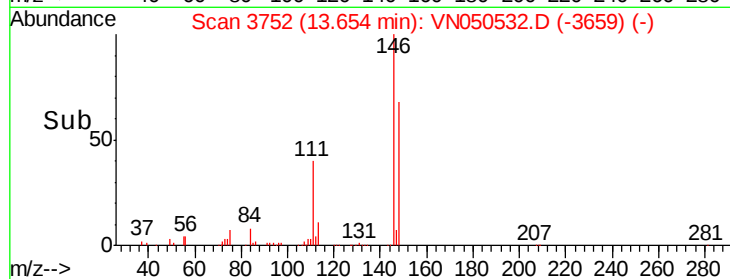
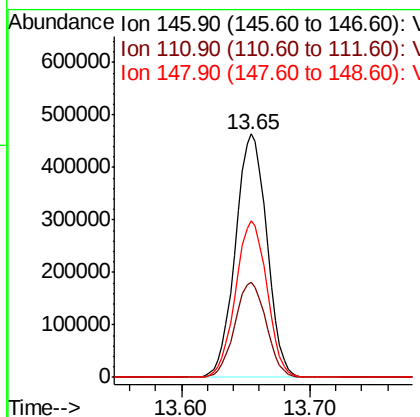
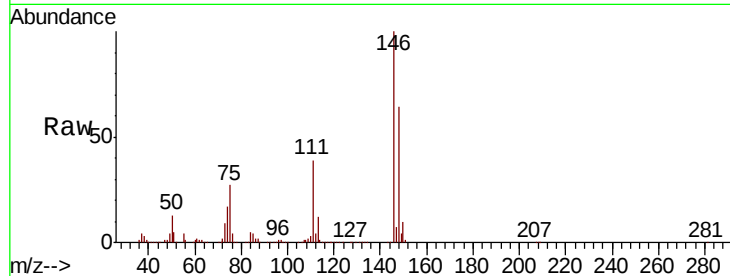
#91
 1,2-Dichlorobenzene
 Concen: 47.73 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.5	32.1	96.3

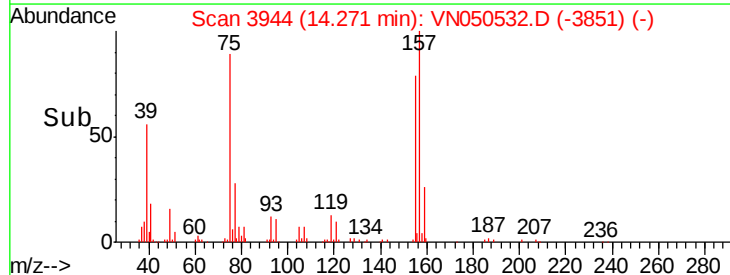
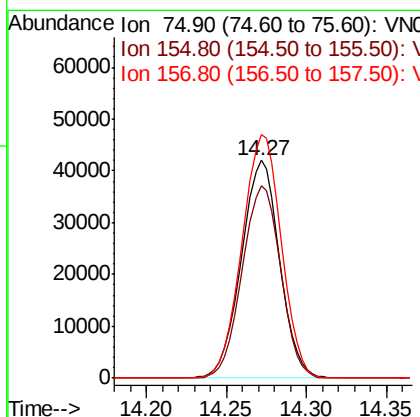
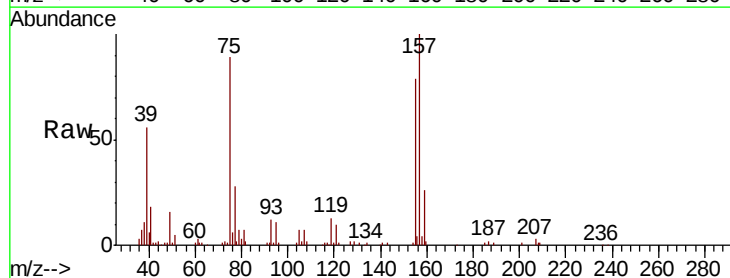
Manual Integrations
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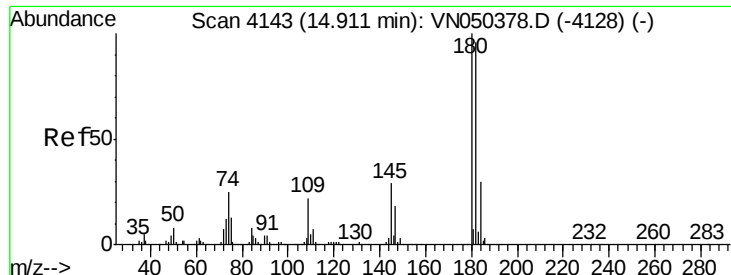
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.71 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	44.8	134.4
157	114.8	57.2	171.6





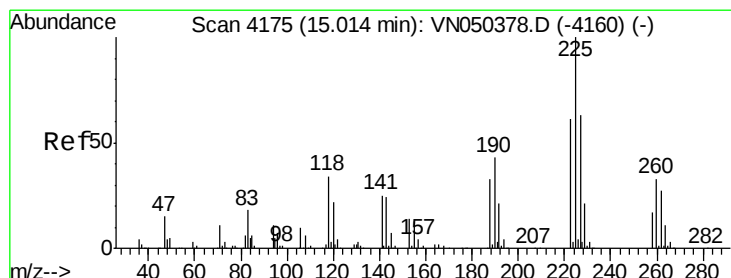
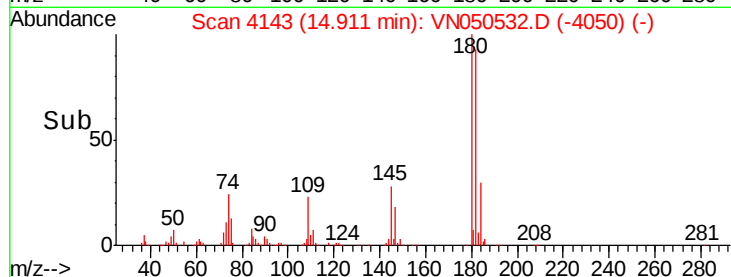
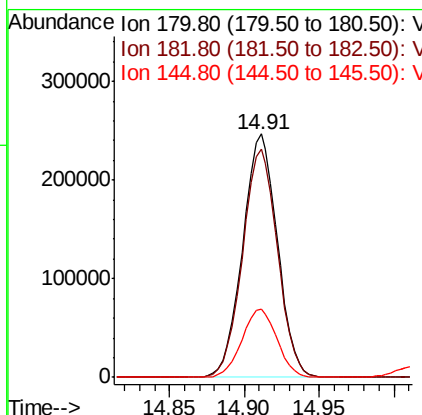
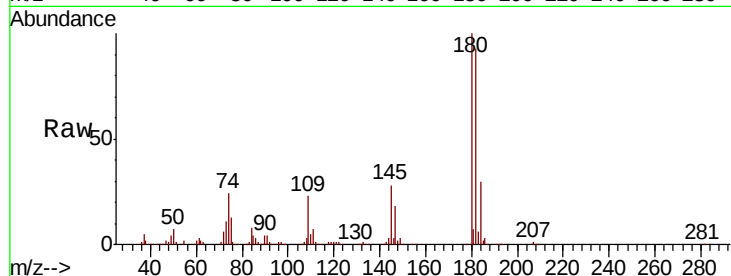
#93
 1,2,4-Trichlorobenzene
 Concen: 47.56 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	397924		
182	94.5	46.7	140.1	
145	28.3	13.8	41.4	

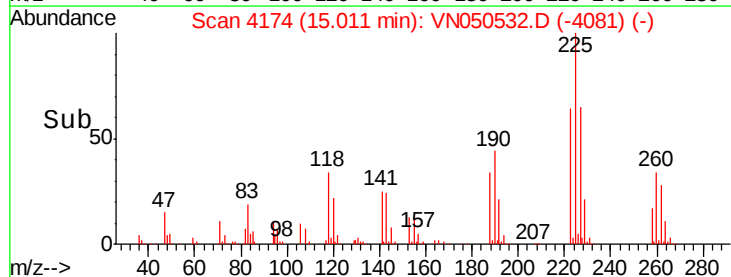
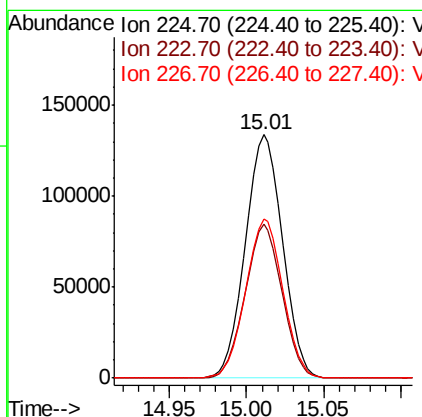
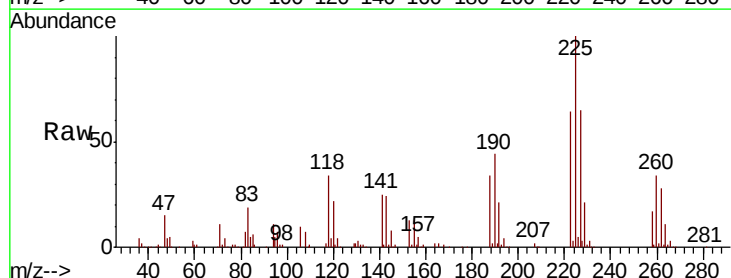
Manual Integrations
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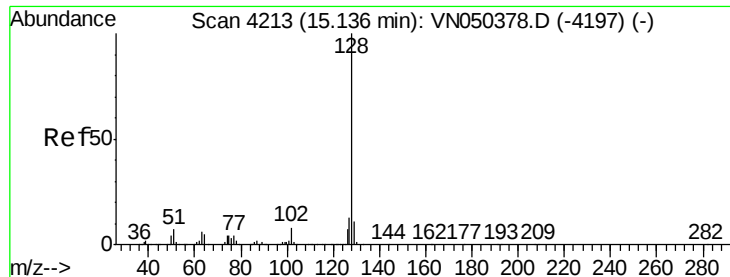
MMDadoda
 8/13/2018 11:05:48 AM



#94
 Hexachlorobutadiene
 Concen: 49.07 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050532.D
 Acq: 10 Aug 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	224417		
223	62.6	31.4	94.2	
227	65.1	32.1	96.5	





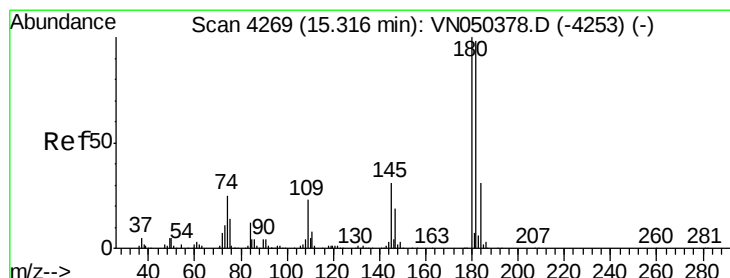
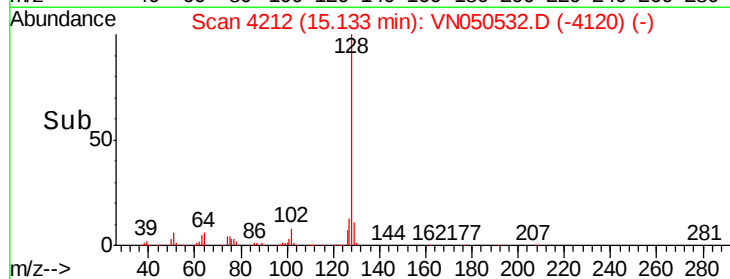
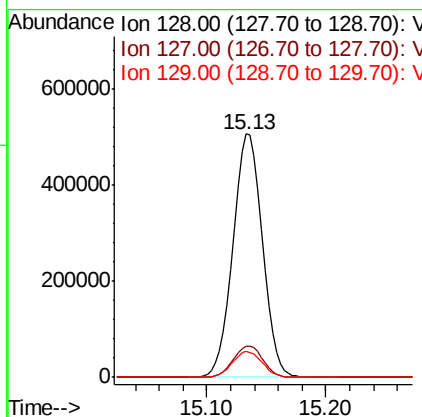
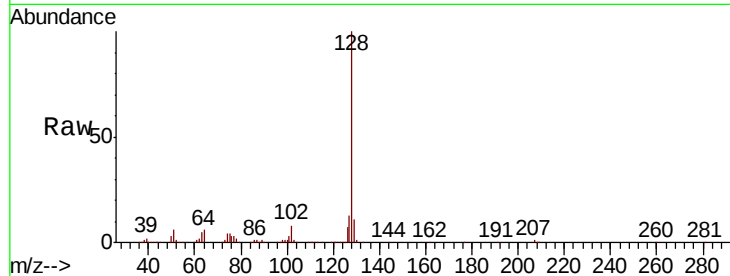
#95
Naphthalene
Concen: 40.07 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	870593
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
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8/13/2018 11:05:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.42 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050532.D
Acq: 10 Aug 2018 21:34

Tgt Ion:	180	Resp:	384216
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.1	144.4
145	30.4	15.3	45.9

