

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056031.D
 Acq On : 6 Jun 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:36:50 AM

Quant Time: Jun 06 18:43:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	325980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	462864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	156409	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.59	113	142224	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.09	98	547941	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	189422	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	175979	49.146	ug/l	100
3) Chloromethane	2.06	50	175918	49.784	ug/l	99
4) Vinyl Chloride	2.18	62	180142	50.822	ug/l	99
5) Bromomethane	2.52	94	108356	48.393	ug/l	100
6) Chloroethane	2.68	64	102335m	49.795	ug/l	
7) Trichlorofluoromethane	3.00	101	224404	49.592	ug/l	99
8) Diethyl Ether	3.40	74	89553	48.125	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	141224	51.377	ug/l	100
10) Methyl Iodide	3.94	142	203215	46.522	ug/l	99
11) Tert butyl alcohol	4.81	59	131821	234.033	ug/l	100
12) 1,1-Dichloroethene	3.72	96	136395	49.842	ug/l	97
13) Acrolein	3.60	56	30605	188.399	ug/l	99
14) Allyl chloride	4.31	41	213987	49.521	ug/l	100
15) Acrylonitrile	4.99	53	349392	254.821	ug/l	100
16) Acetone	3.82	43	412649	266.566	ug/l	100
17) Carbon Disulfide	4.03	76	320760	48.954	ug/l	100
18) Methyl Acetate	4.32	43	152058	50.007	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	432376	49.568	ug/l	100
20) Methylene Chloride	4.54	84	155152	48.648	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	144473	49.273	ug/l	98
22) Diisopropyl ether	5.95	45	444700	49.785	ug/l	99
23) Vinyl Acetate	5.89	43	1816238	258.196	ug/l	100
24) 1,1-Dichloroethane	5.84	63	256839	49.847	ug/l	99
25) 2-Butanone	6.84	43	512734	262.152	ug/l	100
26) 2,2-Dichloropropane	6.82	77	200521	49.873	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	170449	49.454	ug/l	98
28) Bromochloromethane	7.19	49	122340	50.208	ug/l	98
29) Tetrahydrofuran	7.21	42	298992	247.305	ug/l	98
30) Chloroform	7.36	83	257754	49.727	ug/l	100
31) Cyclohexane	7.65	56	246851	48.063	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	217574	50.266	ug/l	99
36) 1,1-Dichloropropene	7.79	75	200597	50.401	ug/l	99
37) Ethyl Acetate	6.93	43	185903	52.497	ug/l	99
38) Carbon Tetrachloride	7.77	117	183888	50.115	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	257005	51.837	ug/l	99
40) Benzene	8.04	78	615317	50.903	ug/l	99
41) Methacrylonitrile	7.17	41	88812	54.509	ug/l	97
42) 1,2-Dichloroethane	8.12	62	192595	49.532	ug/l	99
43) Isopropyl Acetate	8.16	43	293316	51.114	ug/l #	91
44) Trichloroethene	8.83	130	172407	49.635	ug/l	100
45) 1,2-Dichloropropane	9.12	63	159783	51.605	ug/l	100
46) Dibromomethane	9.21	93	103412	51.074	ug/l	99
47) Bromodichloromethane	9.40	83	191509	52.187	ug/l	99
48) Methyl methacrylate	9.20	41	142123	50.624	ug/l	97
49) 1,4-Dioxane	9.20	88	62072	1024.145	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	915161	255.024	ug/l	99
52) Toluene	10.15	92	389234	51.746	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	204786	47.713	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	238701	54.115	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	152977	51.342	ug/l	99
56) Ethyl methacrylate	10.43	69	229341	52.760	ug/l	100
57) 1,3-Dichloropropane	10.71	76	250200	51.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	406176	236.526	ug/l	100
59) 2-Hexanone	10.75	43	673320	258.881	ug/l	99
60) Dibromochloromethane	10.90	129	155258	47.381	ug/l	99
61) 1,2-Dibromoethane	11.00	107	158145	51.918	ug/l	98
64) Tetrachloroethene	10.63	164	172742	47.401	ug/l	98
65) Chlorobenzene	11.43	112	415761	49.620	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147782	51.081	ug/l	99
67) Ethyl Benzene	11.51	91	735953	50.514	ug/l	99
68) m/p-Xylenes	11.62	106	570705	102.540	ug/l	98
69) o-Xylene	11.95	106	276529	50.510	ug/l	99
70) Styrene	11.96	104	461465	53.051	ug/l	99
71) Bromoform	12.13	173	110032	45.558	ug/l #	100
73) Isopropylbenzene	12.25	105	732897	53.134	ug/l	100
74) N-amyl acetate	12.07	43	249948	48.318	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	207776	46.121	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	169040m	47.339	ug/l	
77) Bromobenzene	12.52	156	194173	46.734	ug/l	97
78) n-propylbenzene	12.59	91	800290	48.746	ug/l	99
79) 2-Chlorotoluene	12.67	91	475380	52.311	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	616676	47.262	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54043	50.401	ug/l	93
82) 4-Chlorotoluene	12.77	91	470661	49.002	ug/l	100
83) tert-Butylbenzene	12.99	119	532186	52.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	608777	49.201	ug/l	100
85) sec-Butylbenzene	13.17	105	697645	47.984	ug/l	100
86) p-Isopropyltoluene	13.29	119	646988	49.722	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	321868	50.054	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	309510	50.035	ug/l	99
89) n-Butylbenzene	13.61	91	503758	52.262	ug/l	100
90) Hexachloroethane	13.87	117	96683	49.269	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	314803	48.489	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32601	50.595	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	159652	45.084	ug/l	99
94) Hexachlorobutadiene	15.01	225	118651	53.428	ug/l	99
95) Naphthalene	15.13	128	410442	44.664	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	169284	46.646	ug/l	100

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

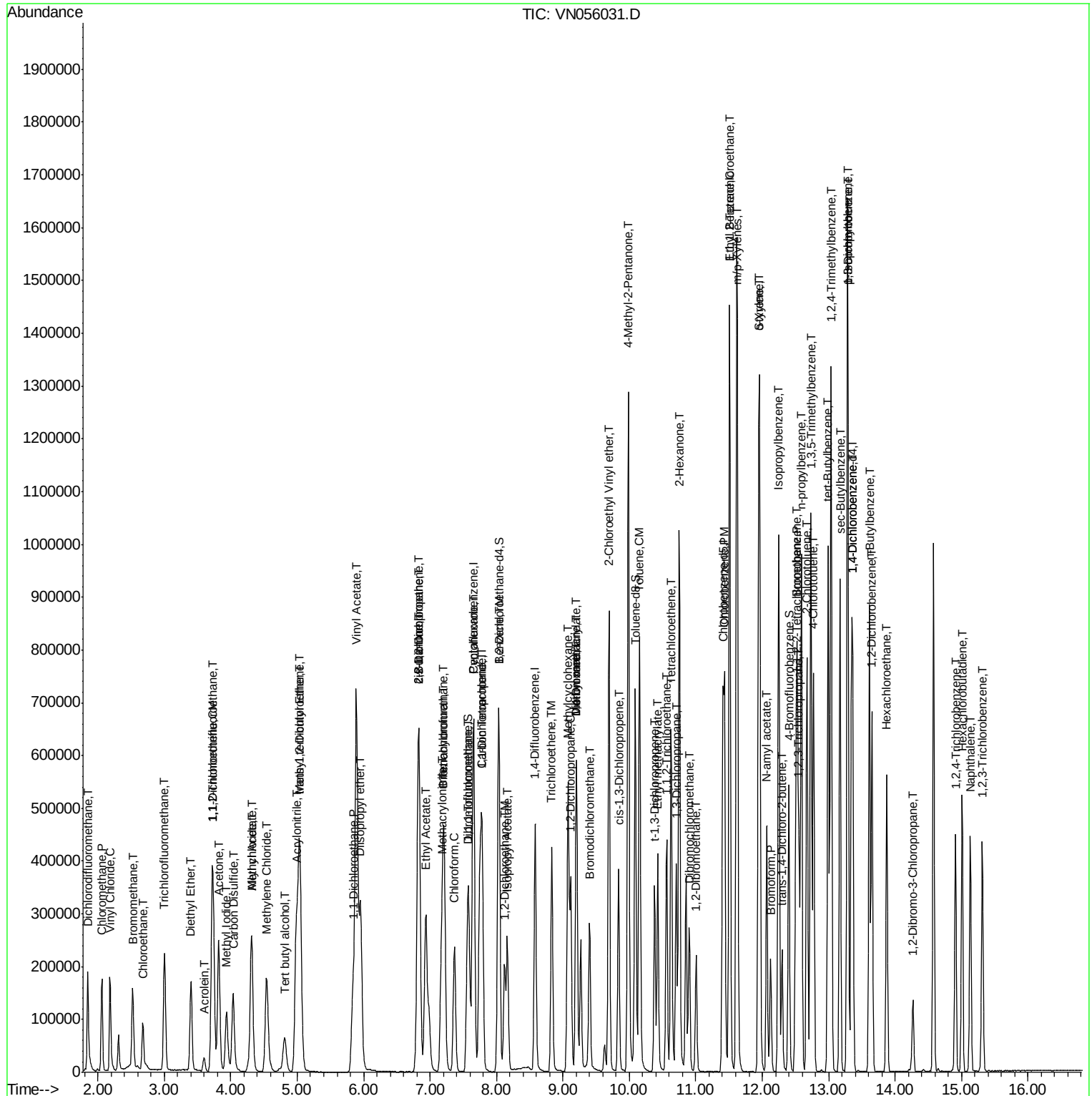
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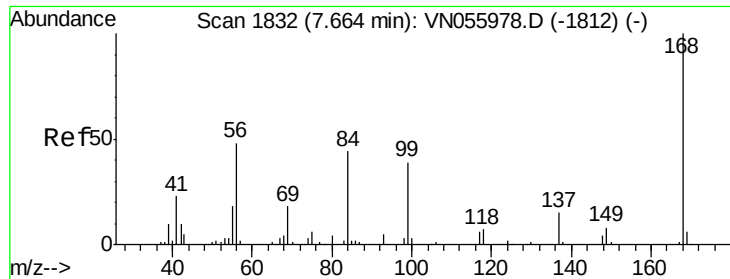
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 325980

Ion Ratio Lower Upper

168 100

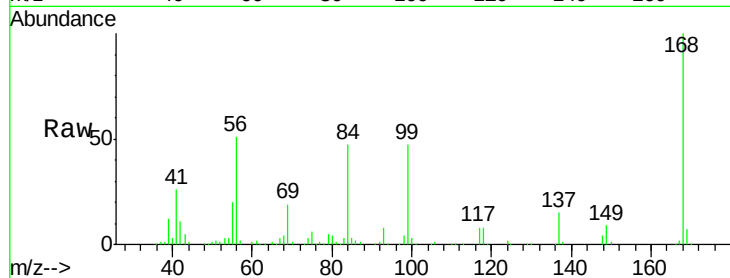
99 46.5 37.2 55.8

Manual Integrations

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6/7/2019 9:36:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

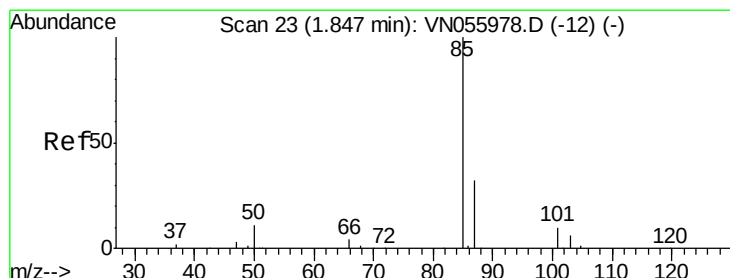
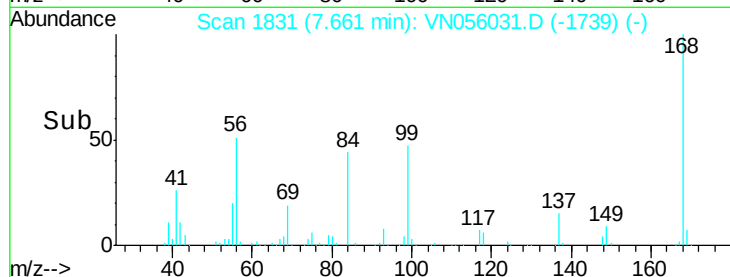
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.146 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056031.D

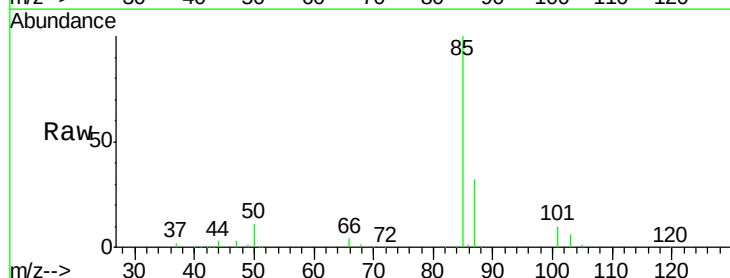
Acq: 6 Jun 2019 8:56

Tgt Ion: 85 Resp: 175979

Ion Ratio Lower Upper

85 100

87 32.1 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

120000

100000

80000

60000

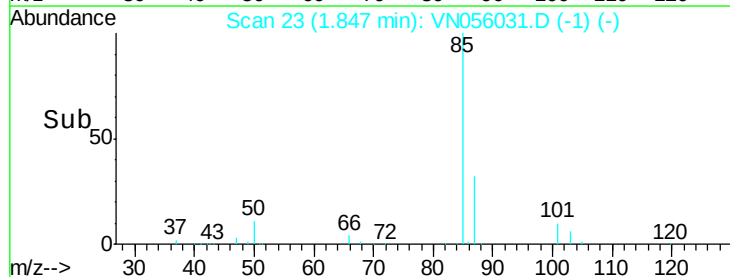
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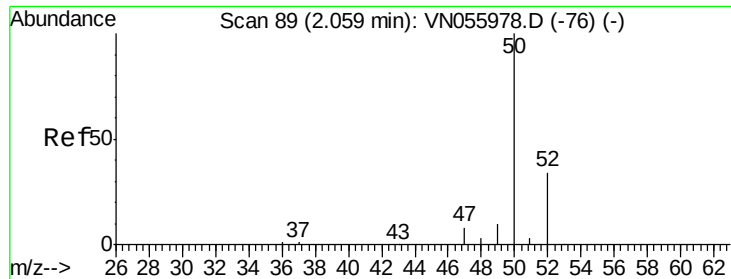
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 49.784 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 175918

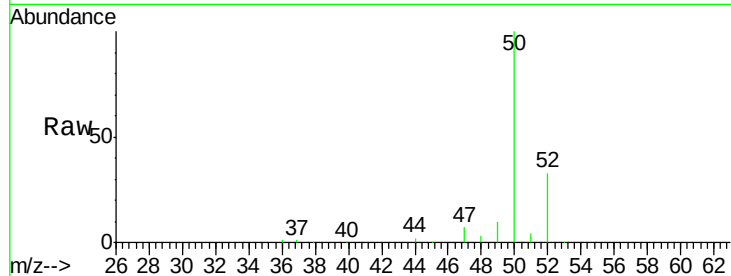
Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VN055978.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN055978.D (-76) (-)

2.06

120000

100000

80000

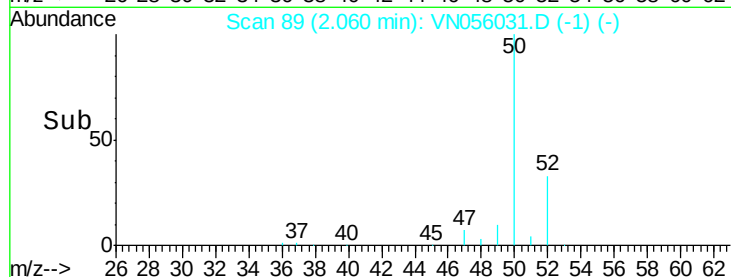
60000

40000

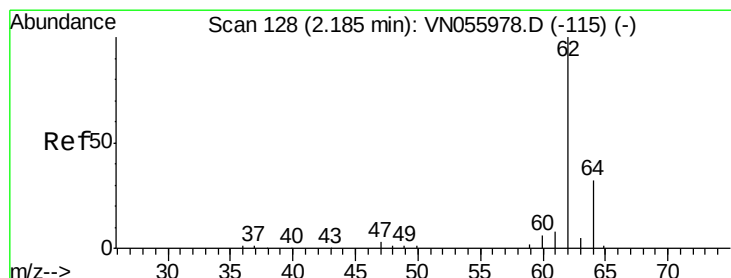
20000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 50.822 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056031.D

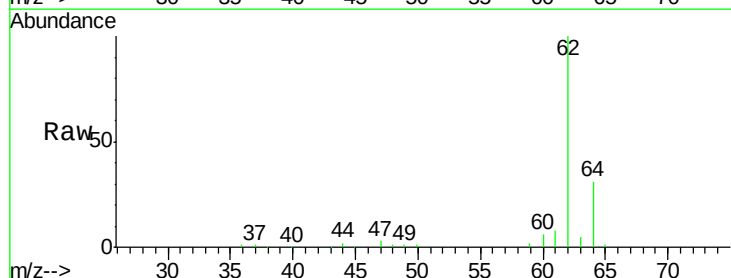
Acq: 6 Jun 2019 8:56

Tgt Ion: 62 Resp: 180142

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055978.D (-115) (-)

2.18

120000

100000

80000

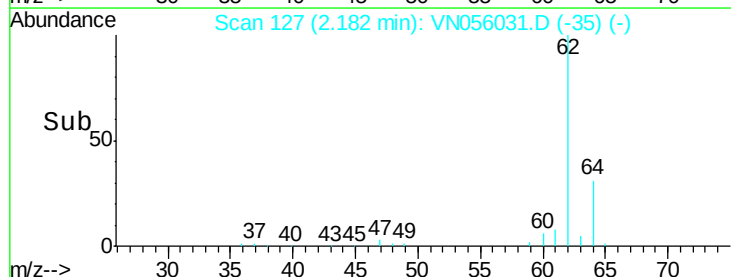
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40000

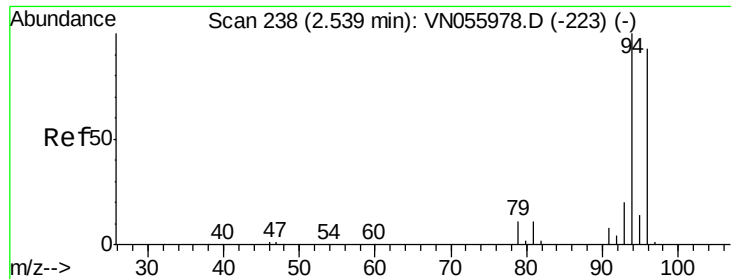
20000

0

Time-->



Time-->



#5

Bromomethane

Concen: 48.393 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.02 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 108356

Ion Ratio Lower Upper

94 100

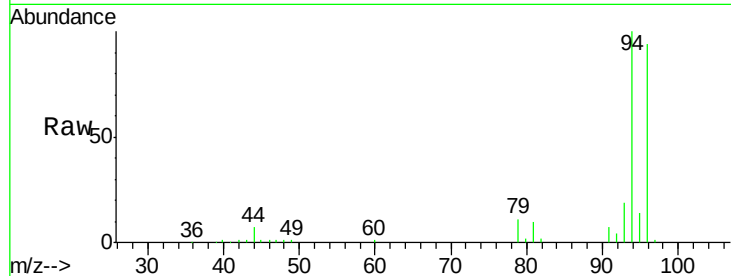
96 94.0 75.5 113.3

Manual Integrations

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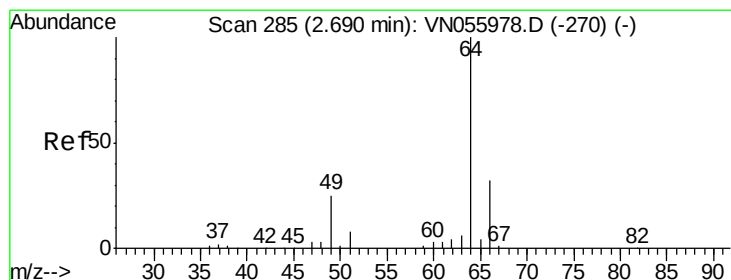
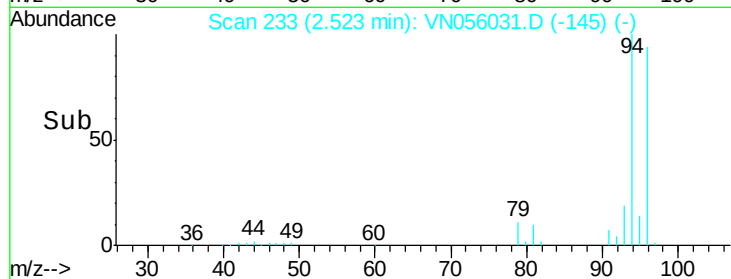
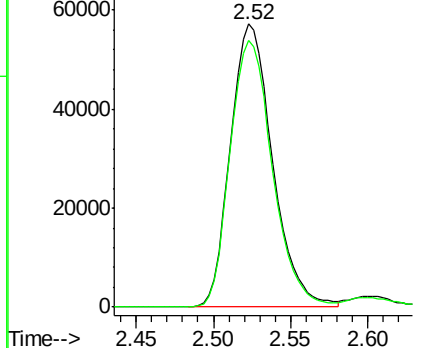
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6/7/2019 9:36:50 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.795 ug/l m

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN056031.D

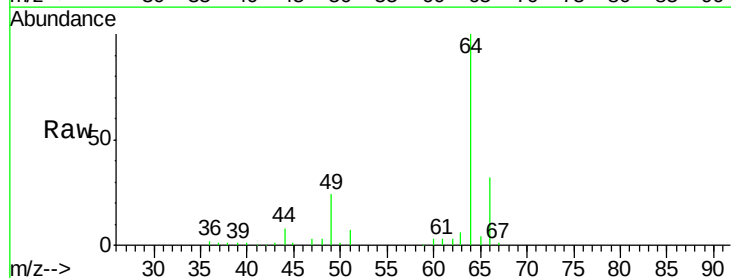
Acq: 6 Jun 2019 8:56

Tgt Ion: 64 Resp: 102335

Ion Ratio Lower Upper

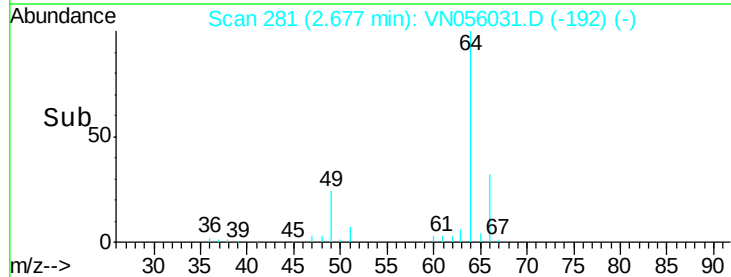
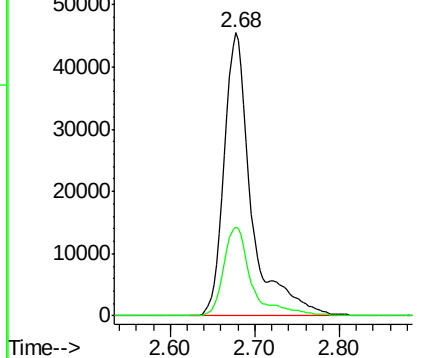
64 100

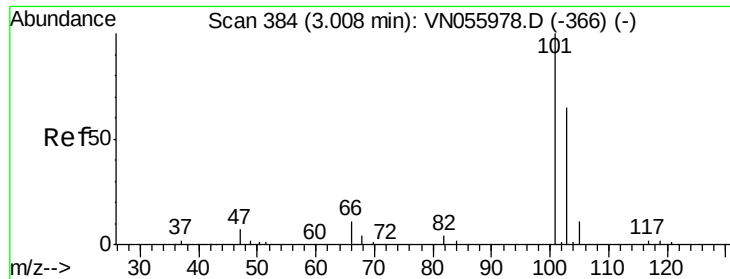
66 31.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

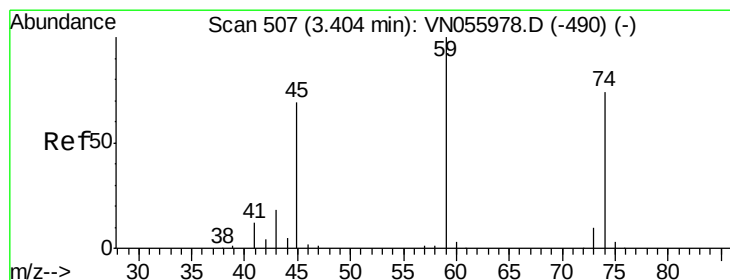
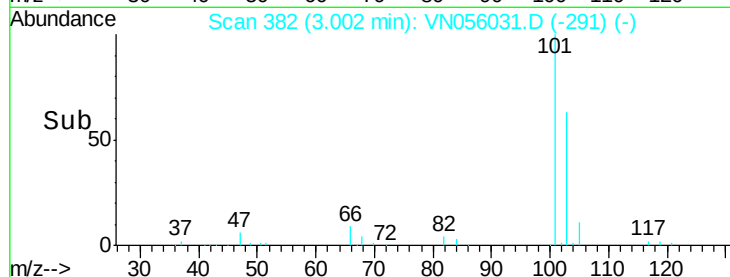
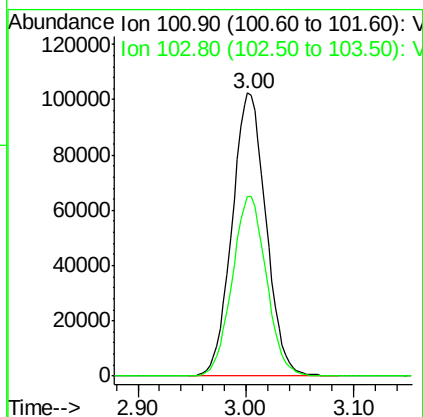
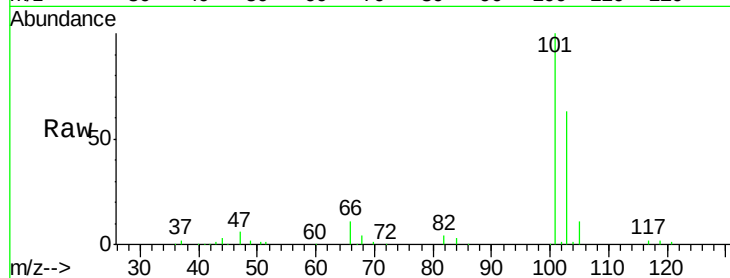
Trichlorofluoromethane
 Concen: 49.592 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 224404
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.2 76.8

Manual Integrations
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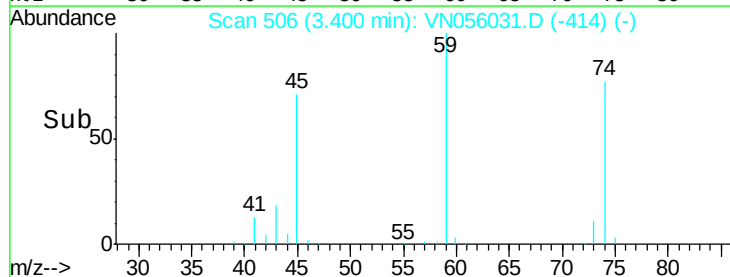
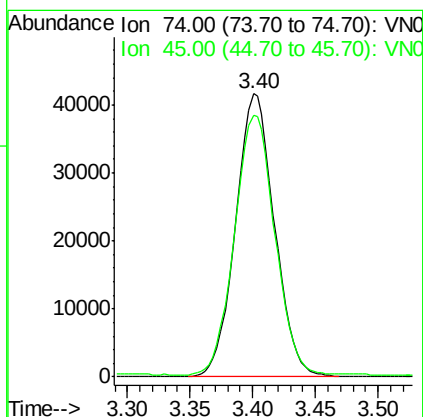
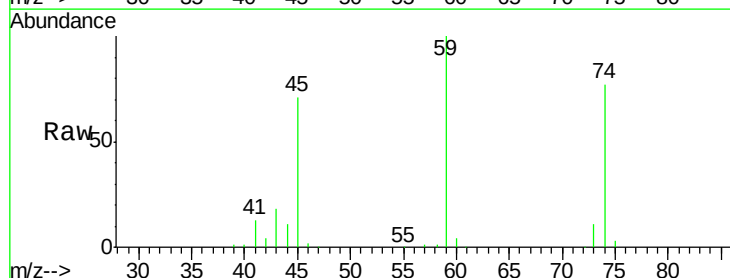
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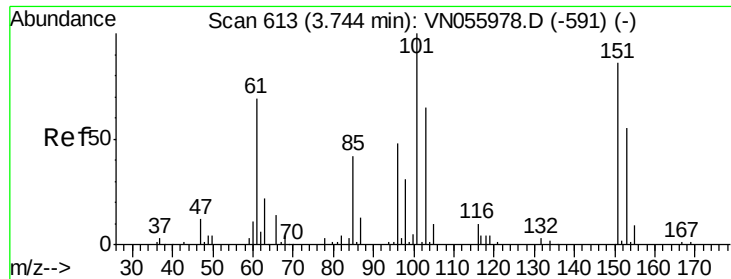


#8

Diethyl Ether
 Concen: 48.125 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 74 Resp: 89553
 Ion Ratio Lower Upper
 74 100
 45 95.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.377 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

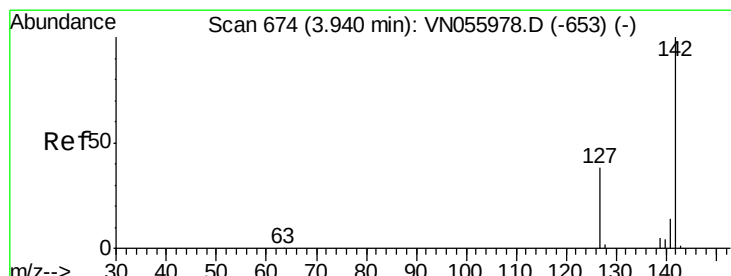
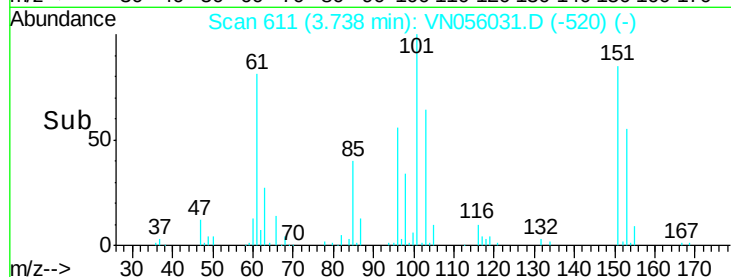
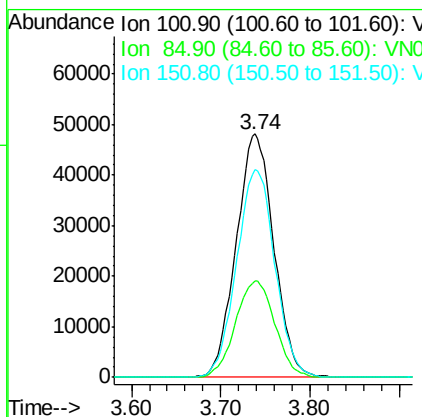
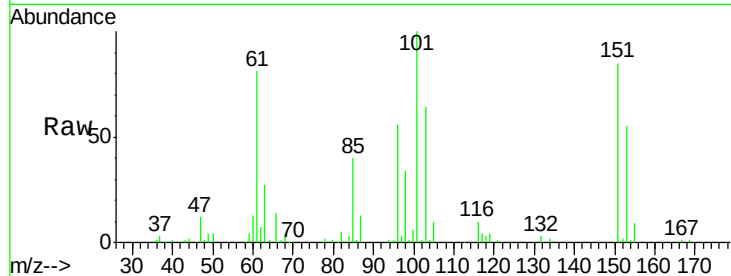
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	141224
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.2
151	87.0	69.4	104.2

Manual Integrations
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6/7/2019 9:36:50 AM



#10

Methyl Iodide

Concen: 46.522 ug/l

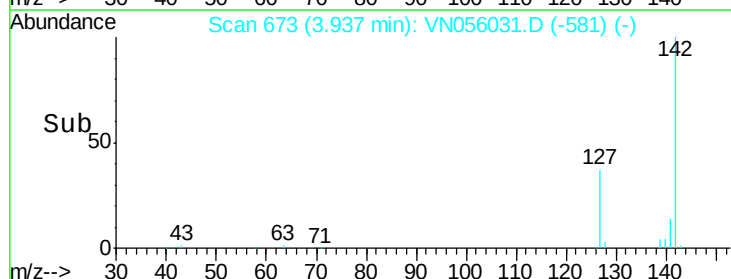
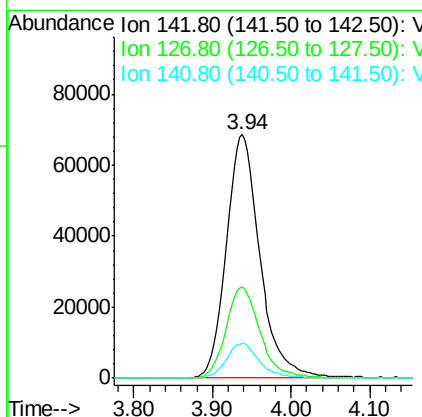
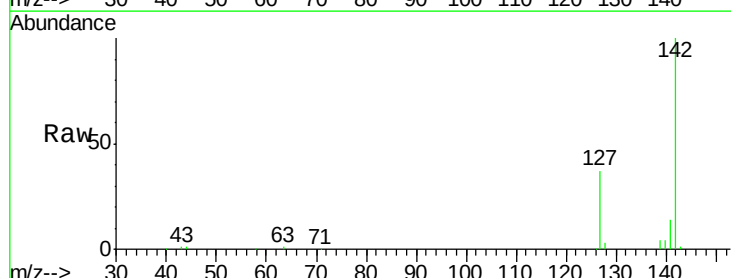
RT: 3.94 min Scan# 673

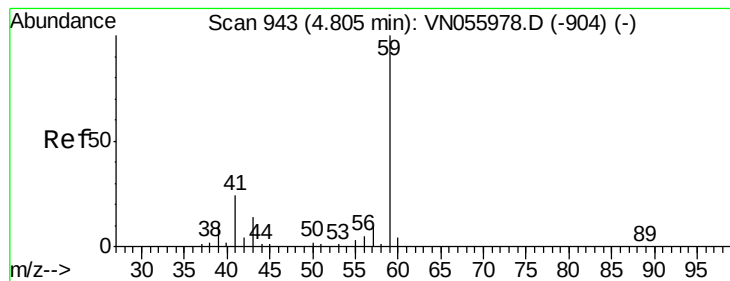
Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Tgt Ion:	142	Resp:	203215
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.4
141	14.0	11.4	17.0





#11

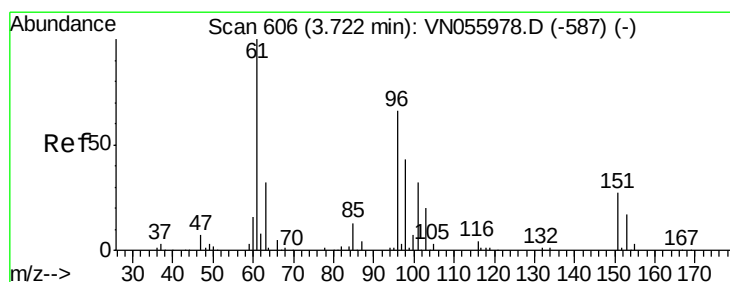
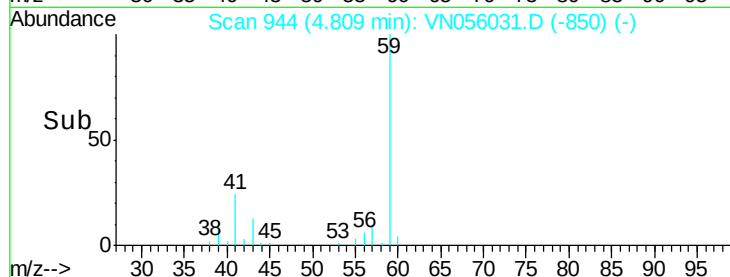
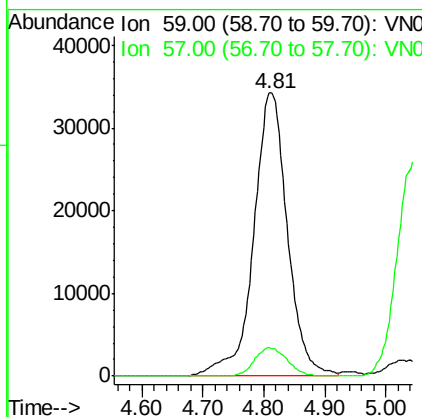
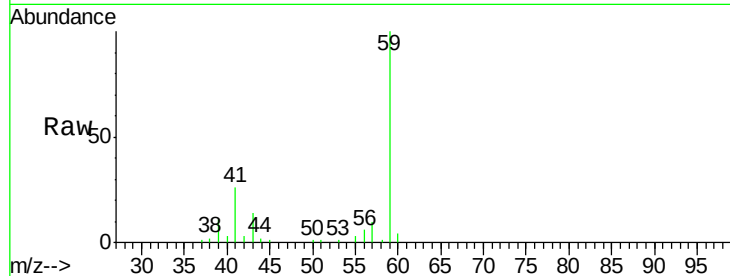
Tert butyl alcohol
 Concen: 234.033 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	131821		
57	9.6		7.8	11.6

Manual Integrations
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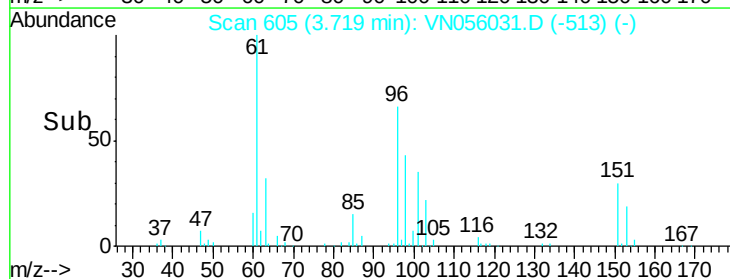
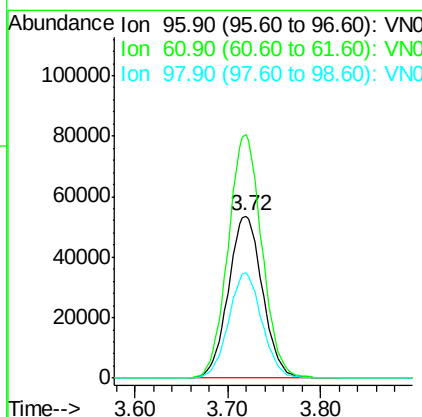
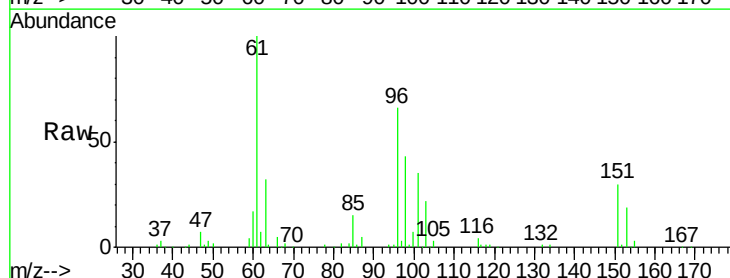
MMDadoda
 6/7/2019 9:36:50 AM

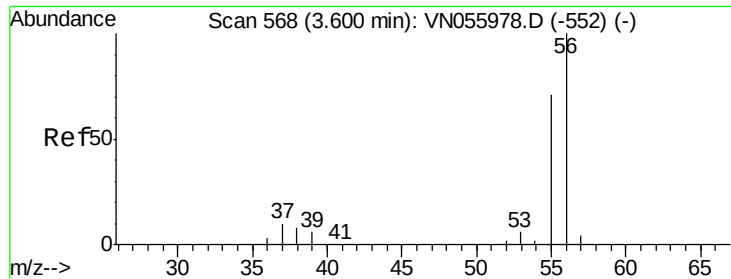


#12

1,1-Dichloroethene
 Concen: 49.842 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	136395		
61	150.6		123.2	184.8
98	64.9		50.4	75.6





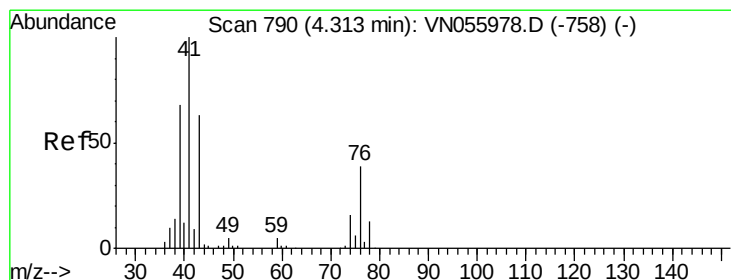
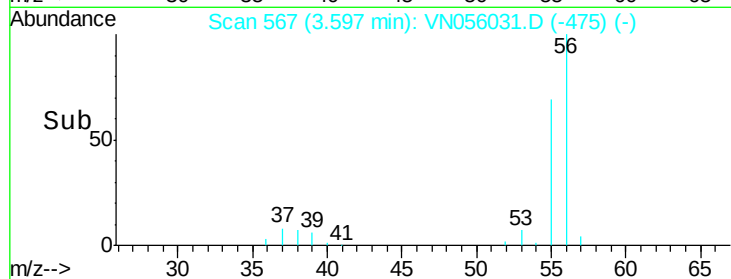
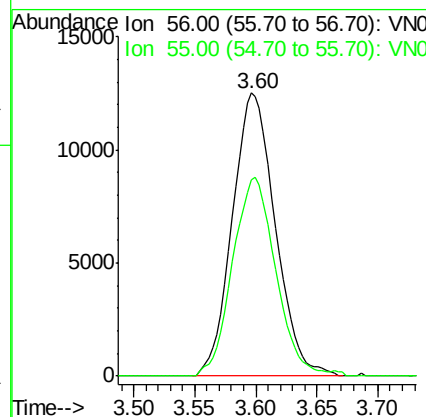
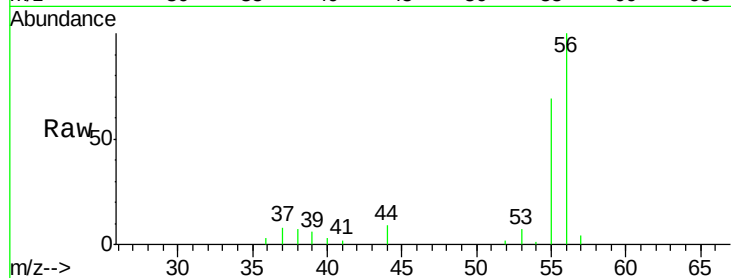
#13
Acrolein
Concen: 188.399 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.5	55.4	83.2	

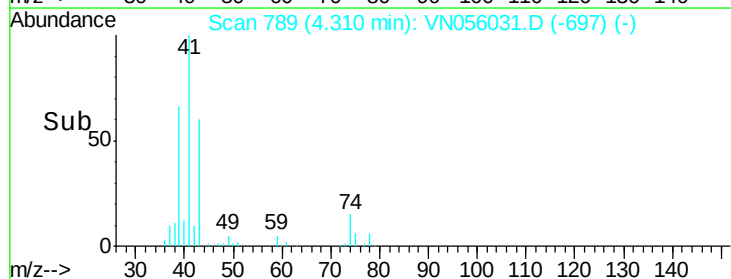
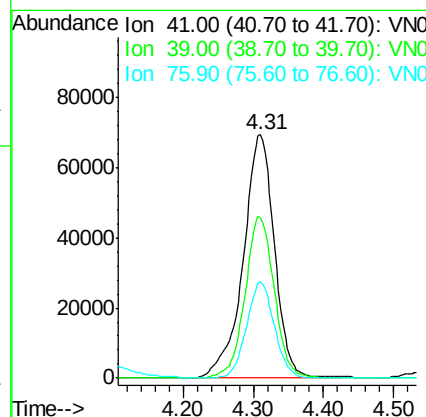
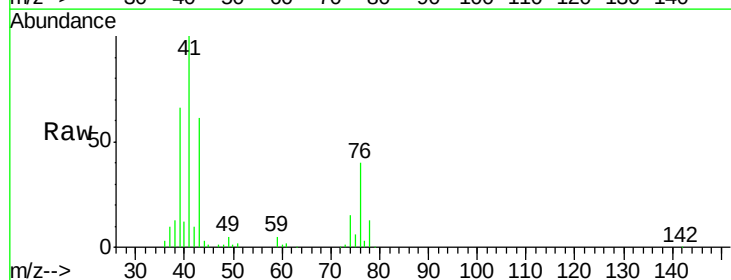
Manual Integrations
APPROVED

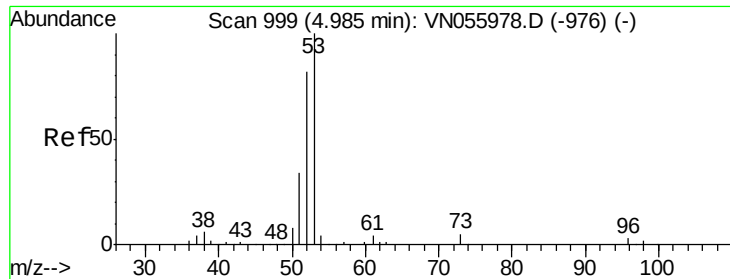
MMDadoda
6/7/2019 9:36:50 AM



#14
Allyl chloride
Concen: 49.521 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.1	50.0	75.0	
76	35.0	28.2	42.2	





#15

Acrylonitrile

Concen: 254.821 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

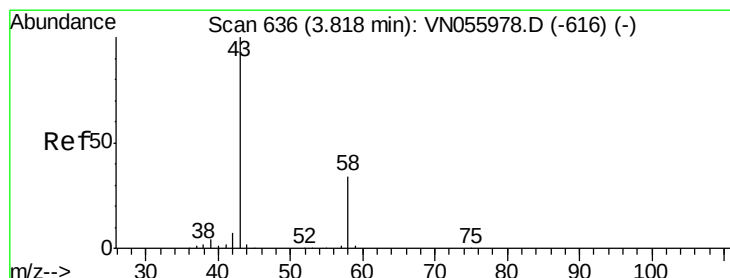
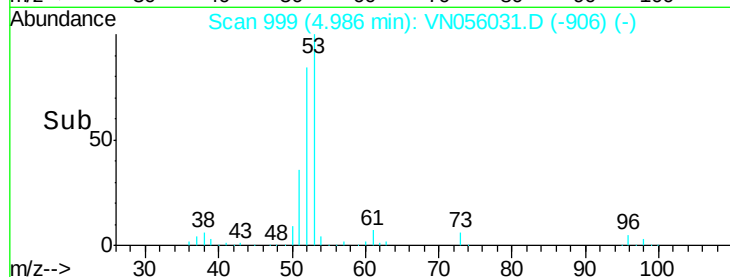
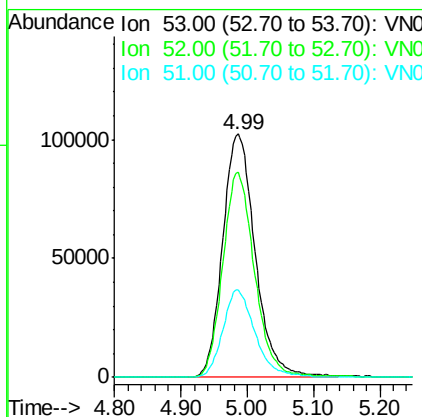
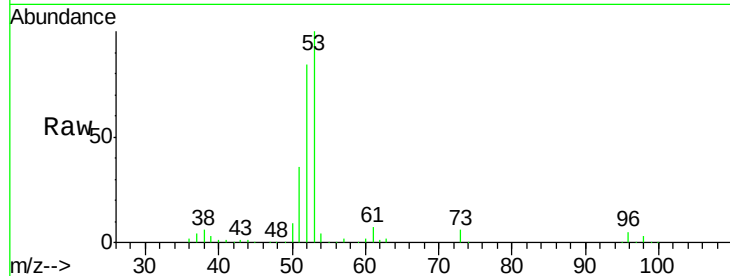
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	349392
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.8	98.8
51	35.6	28.2	42.4

Manual Integrations
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6/7/2019 9:36:50 AM



#16

Acetone

Concen: 266.566 ug/l

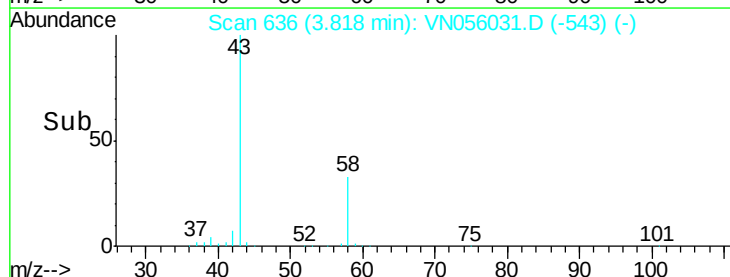
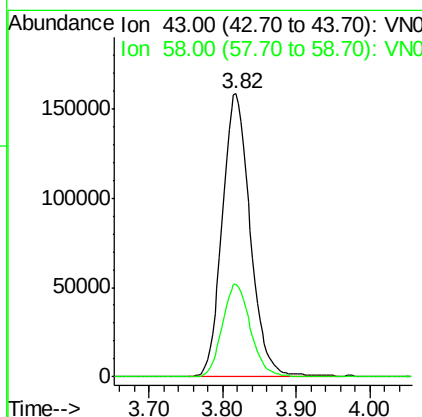
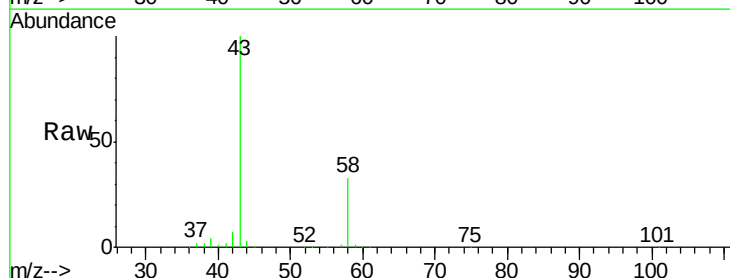
RT: 3.82 min Scan# 636

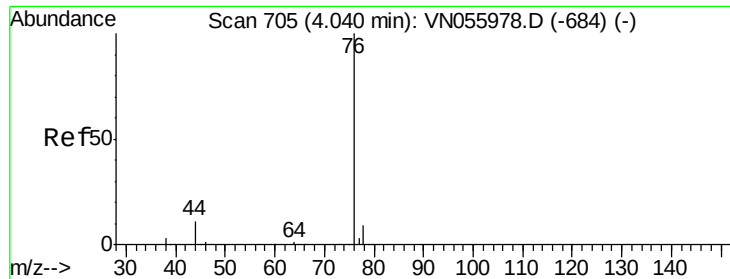
Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Tgt Ion:	43	Resp:	412649
Ion Ratio		Lower	Upper
43	100		
58	33.0	26.6	39.8





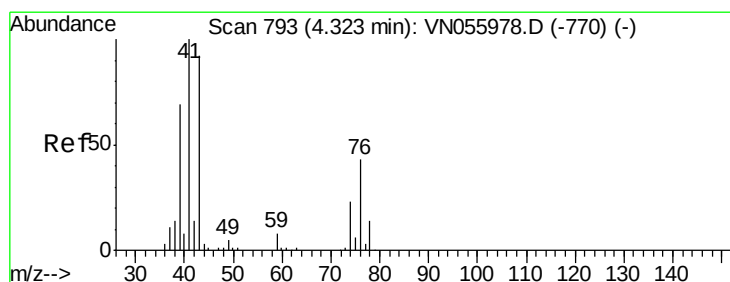
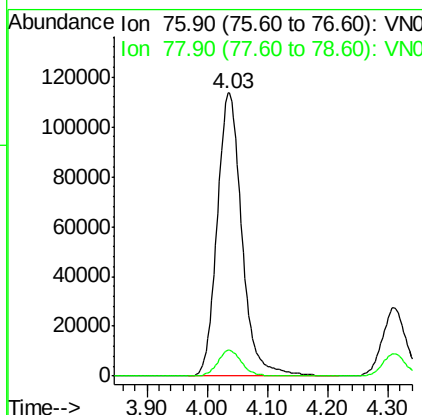
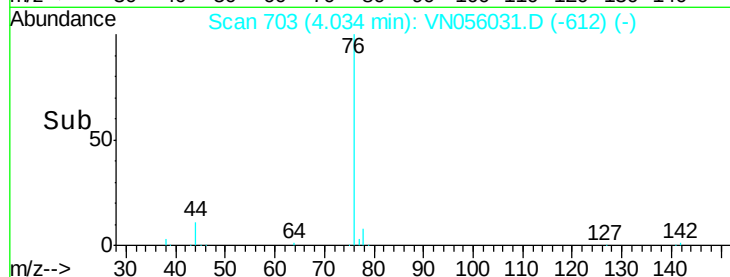
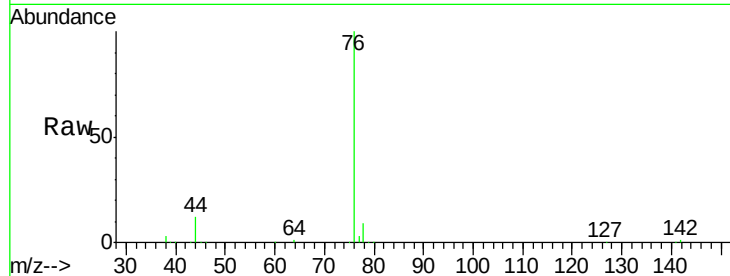
#17
Carbon Disulfide
Concen: 48.954 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

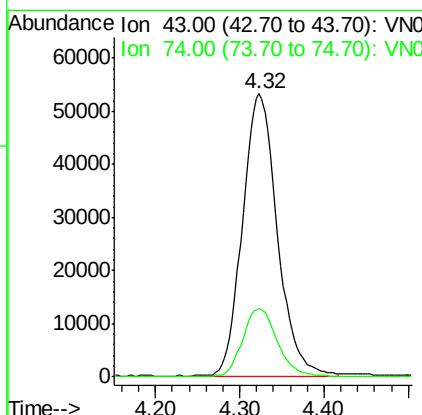
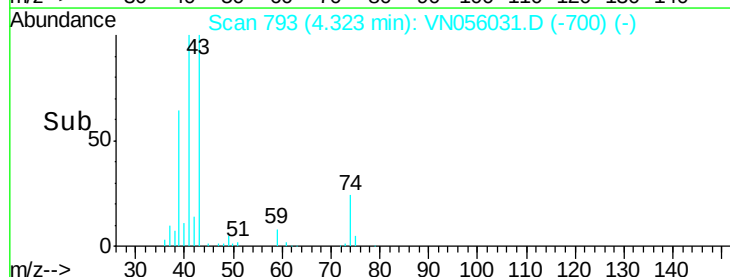
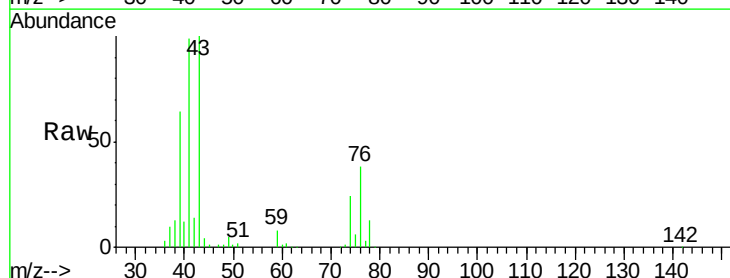
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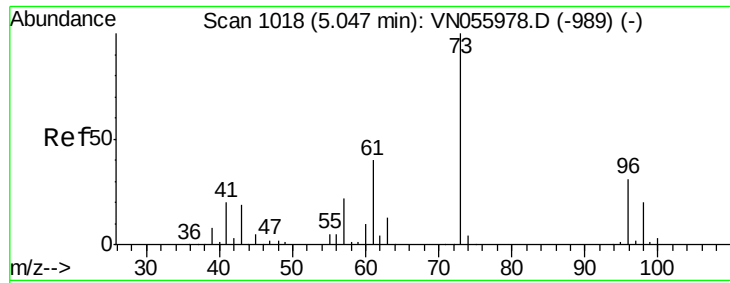
MMDadoda
6/7/2019 9:36:50 AM



#18
Methyl Acetate
Concen: 50.007 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.3	28.9





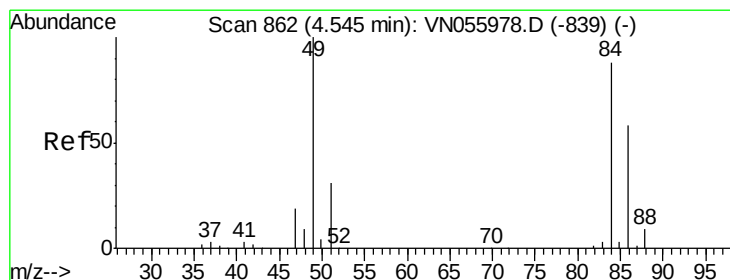
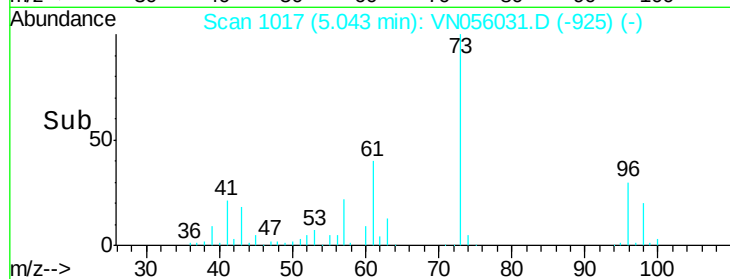
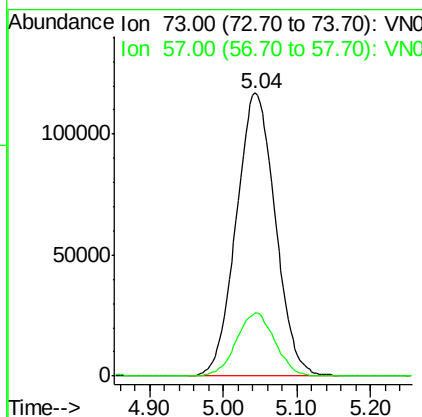
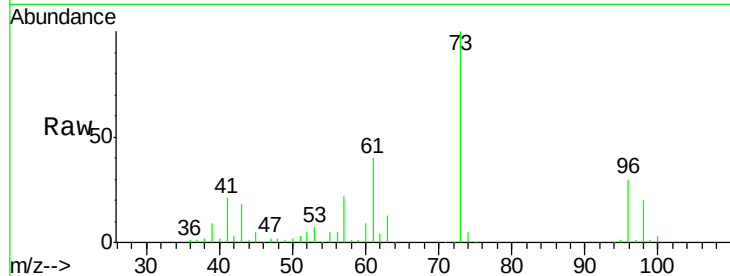
#19
Methyl tert-butyl Ether
Concen: 49.568 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 432376
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

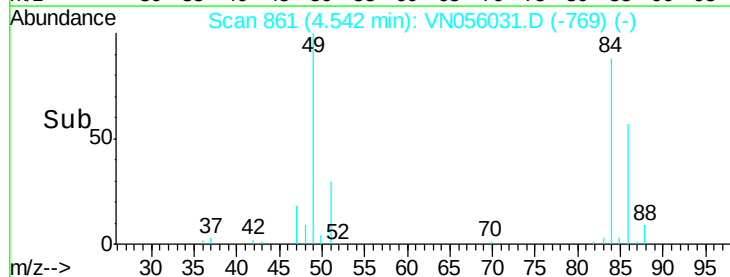
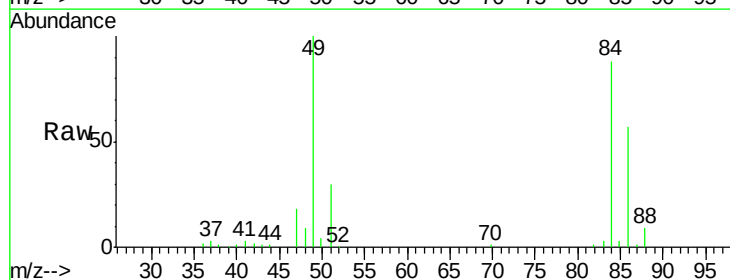
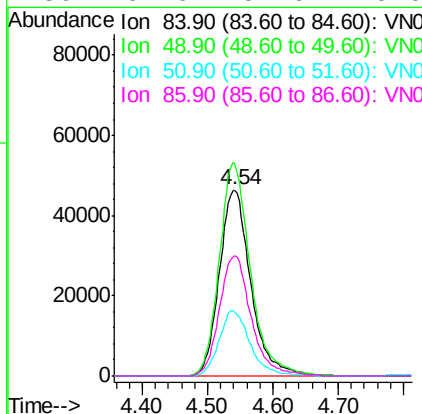
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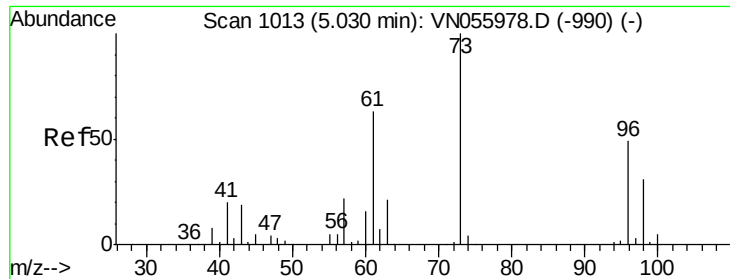
MMDadoda
6/7/2019 9:36:50 AM



#20
Methylene Chloride
Concen: 48.648 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 84 Resp: 155152
Ion Ratio Lower Upper
84 100
49 113.9 93.5 140.3
51 34.1 28.6 43.0
86 64.6 52.6 79.0





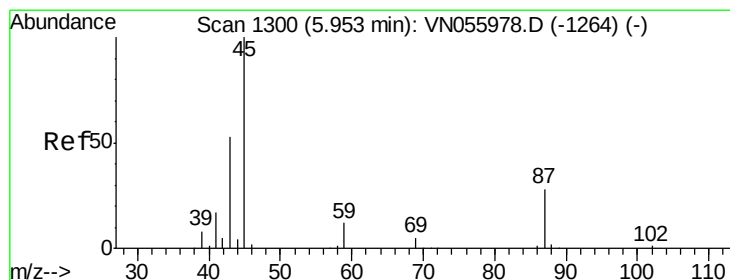
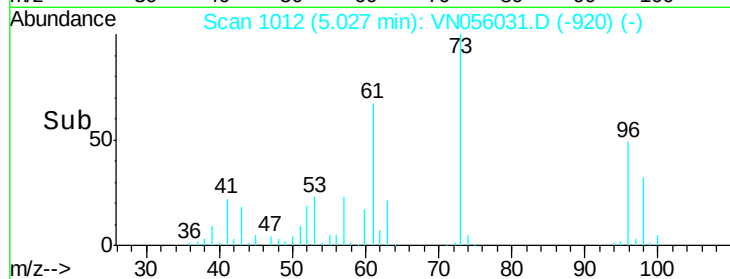
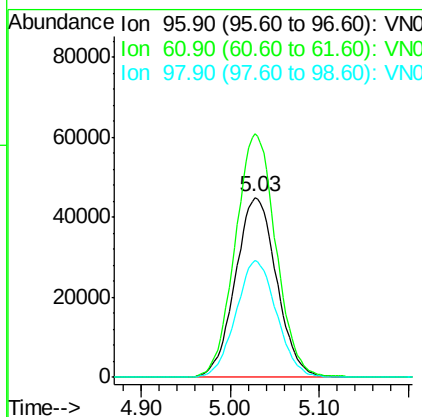
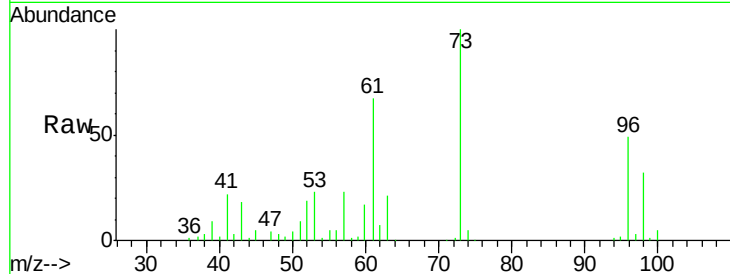
#21
trans-1,2-Dichloroethene
Concen: 49.273 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	107.8	161.8
98	64.9	49.8	74.8

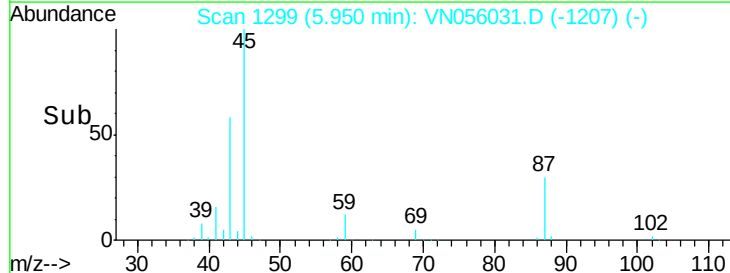
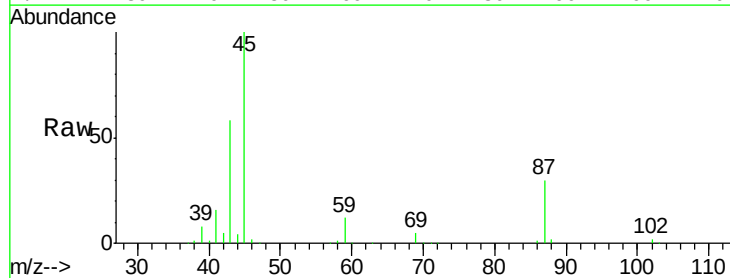
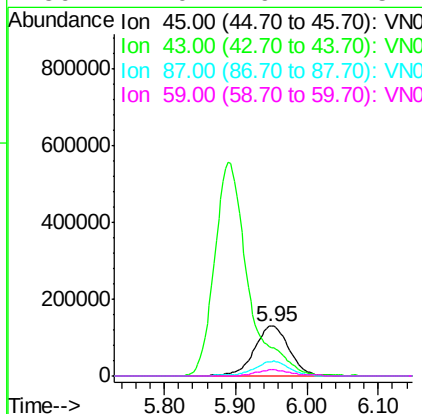
Manual Integrations
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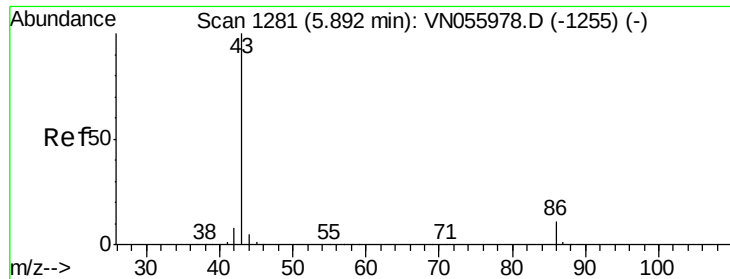
MMDadoda
6/7/2019 9:36:50 AM



#22
Diisopropyl ether
Concen: 49.785 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	45.0	67.6
87	29.2	22.2	33.4
59	12.0	9.1	13.7





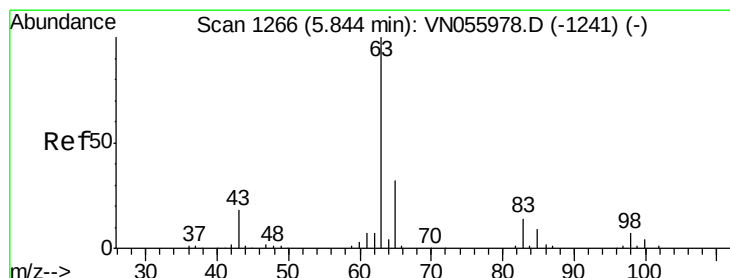
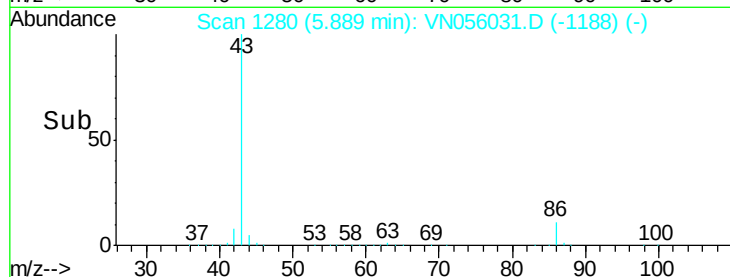
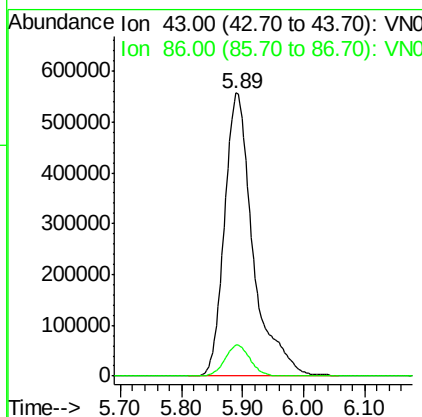
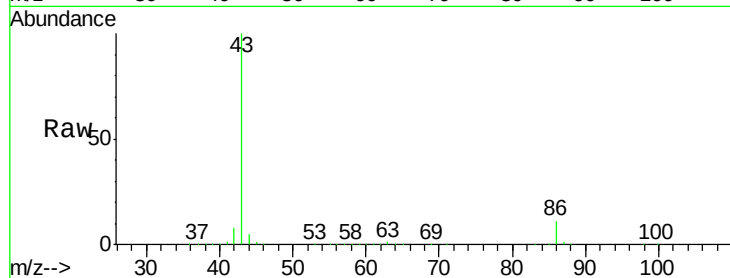
#23
 Vinyl Acetate
 Concen: 258.196 ug/l
 RT: 5.89 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1816238
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0

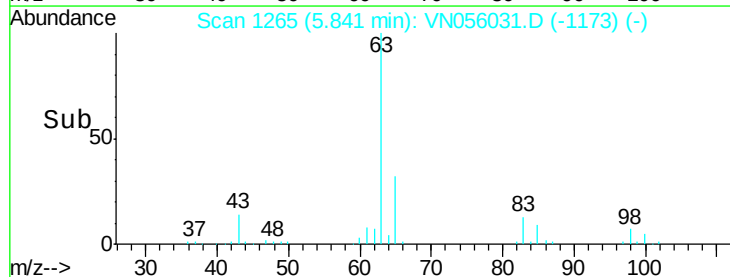
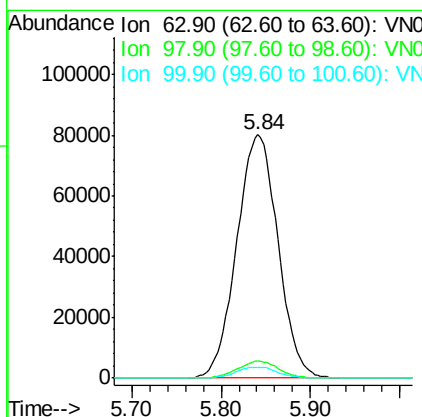
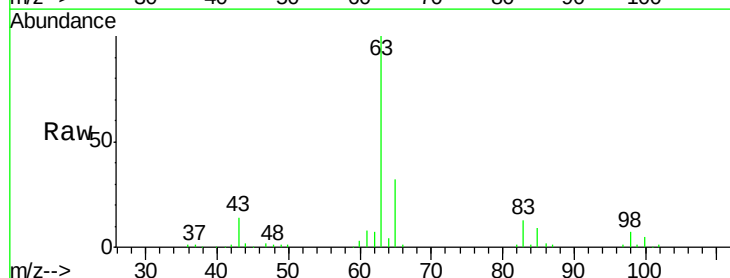
Manual Integrations
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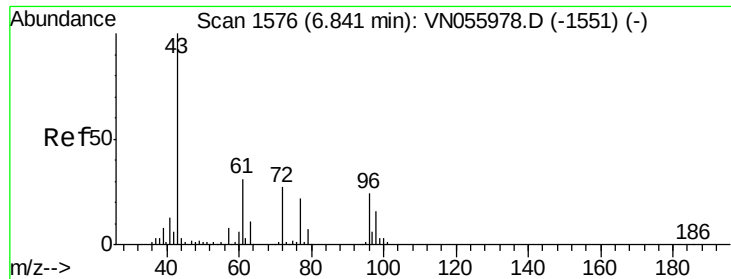
MMDadoda
 6/7/2019 9:36:50 AM



#24
 1,1-Dichloroethane
 Concen: 49.847 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 63 Resp: 256839
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.1
 100 4.6 2.2 6.6





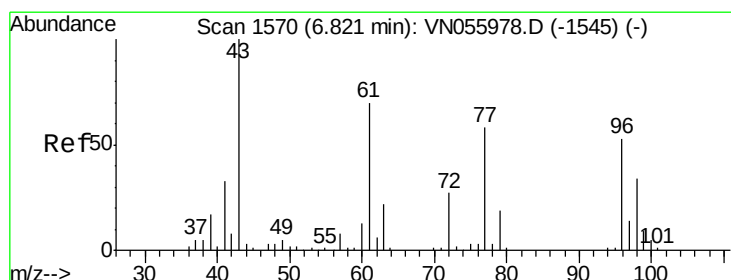
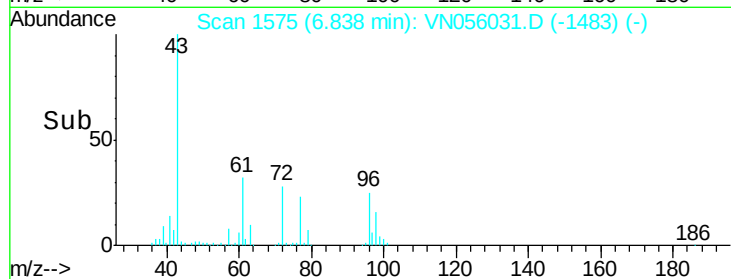
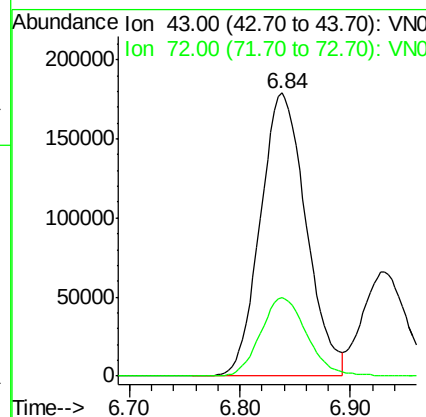
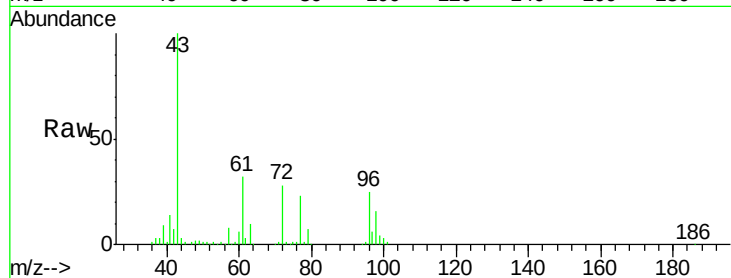
#25
2-Butanone
Concen: 262.152 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 512734
Ion Ratio Lower Upper
43 100
72 27.7 21.9 32.9

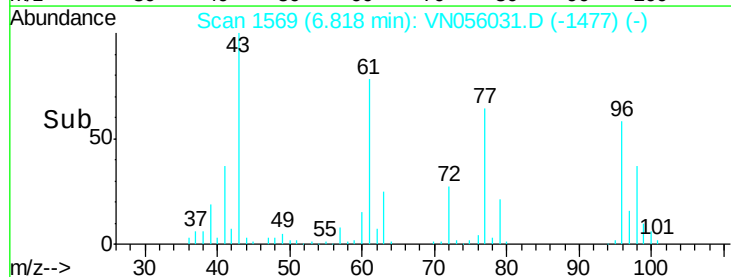
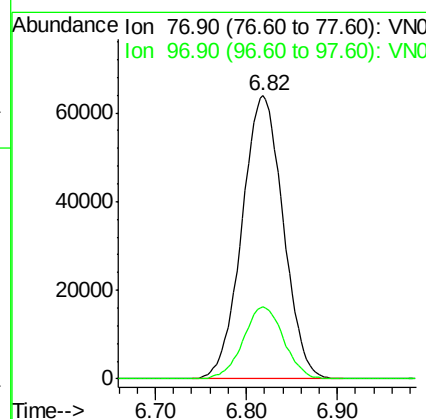
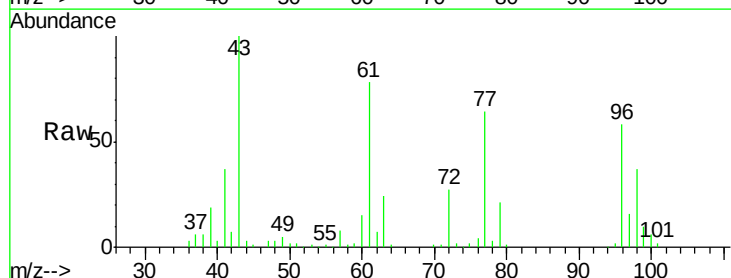
Manual Integrations
APPROVED

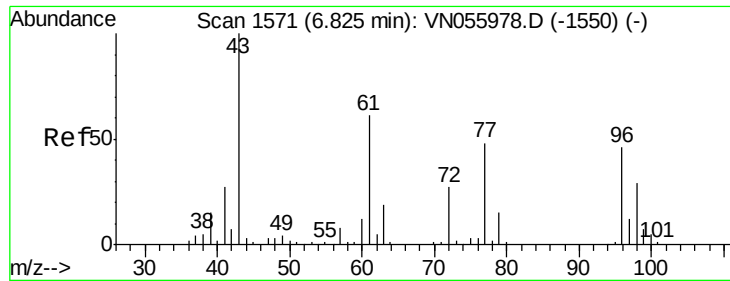
MMDadoda
6/7/2019 9:36:50 AM



#26
2,2-Dichloropropane
Concen: 49.873 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 77 Resp: 200521
Ion Ratio Lower Upper
77 100
97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.454 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

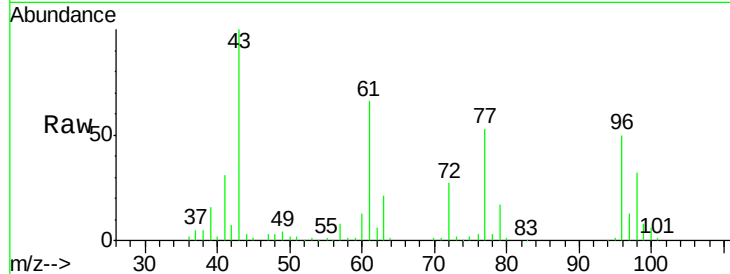
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	170449
Ion	Ratio	Lower	Upper
96	100		
61	134.4	0.0	275.8
98	64.3	0.0	128.4

Manual Integrations
APPROVED

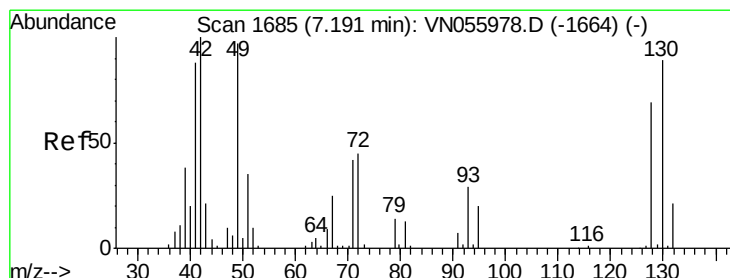
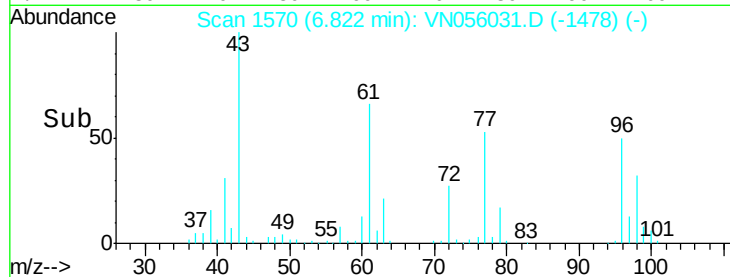
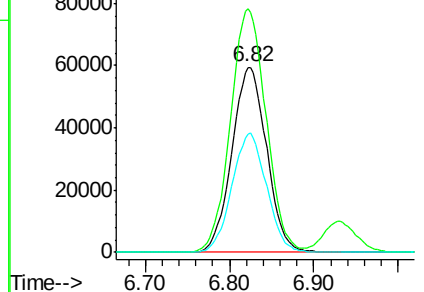
MMDadoda
6/7/2019 9:36:50 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1550) (-)



#28

Bromochloromethane

Concen: 50.208 ug/l

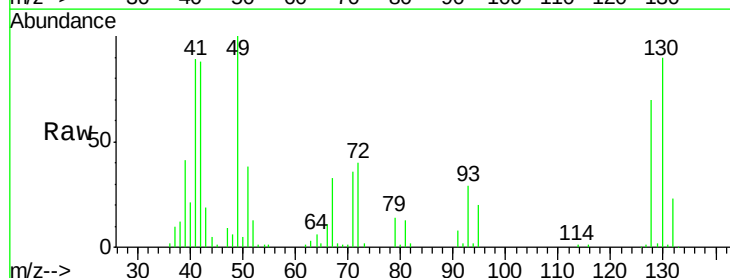
RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

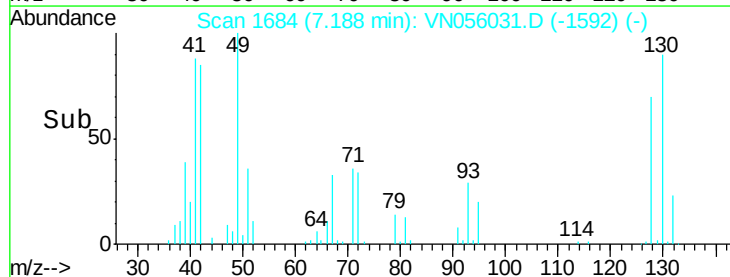
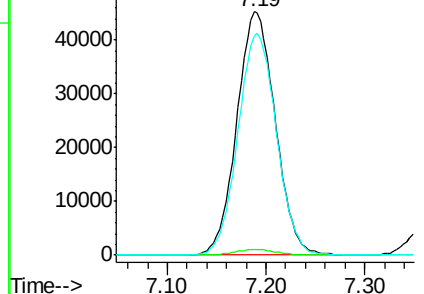
Tgt Ion:	49	Resp:	122340
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	91.1	71.2	106.8

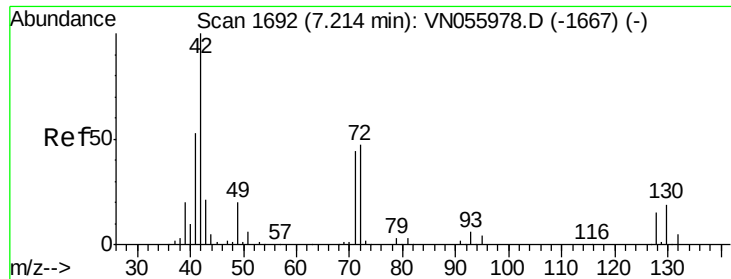


Abundance Ion 48.90 (48.60 to 49.60): VN055978.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN055978.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN055978.D (-1664) (-)





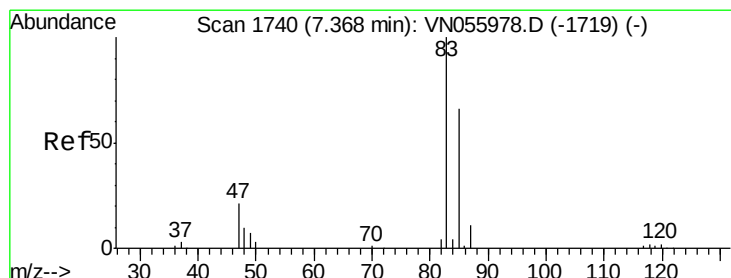
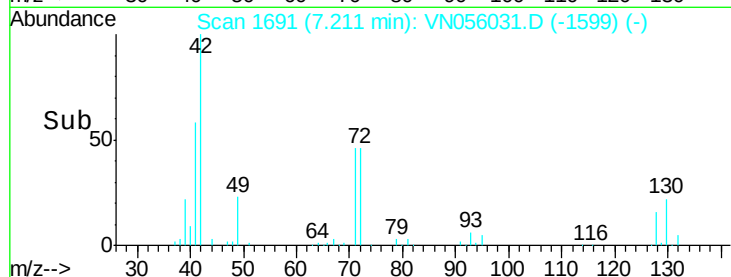
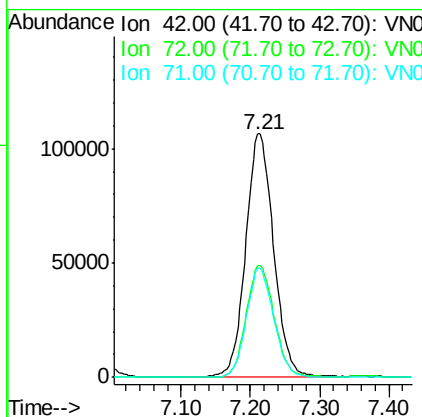
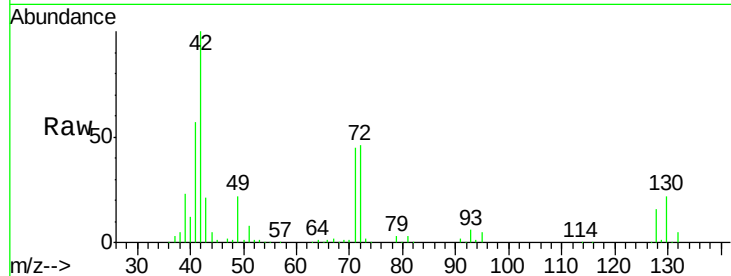
#29
Tetrahydrofuran
Concen: 247.305 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	35.9	53.9
71	43.7	34.0	51.0

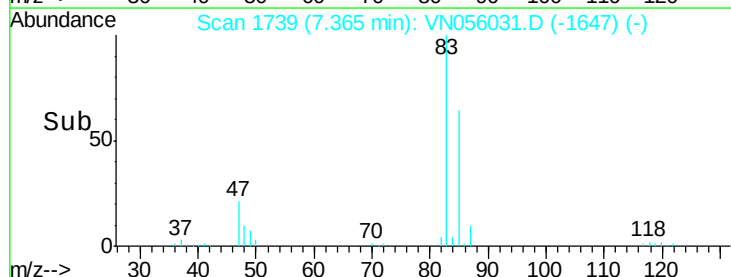
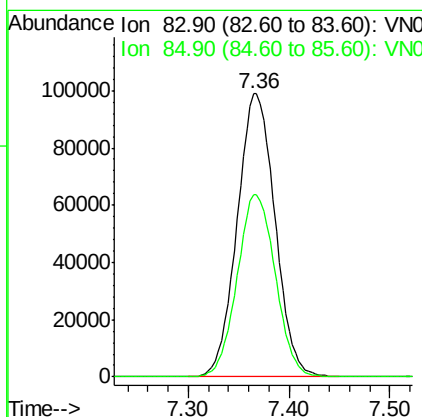
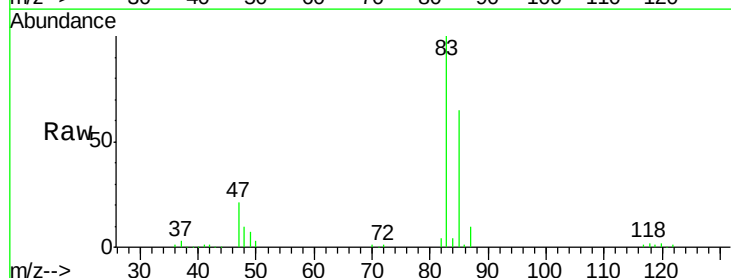
Manual Integrations
APPROVED

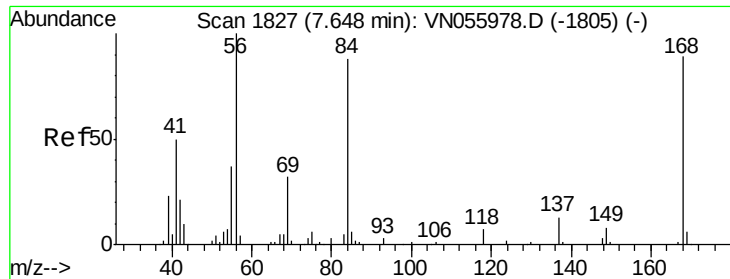
MMDadoda
6/7/2019 9:36:50 AM



#30
Chloroform
Concen: 49.727 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





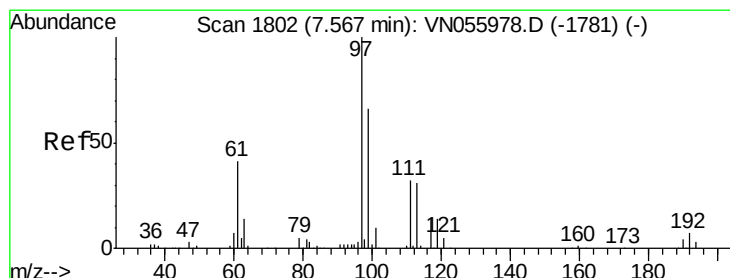
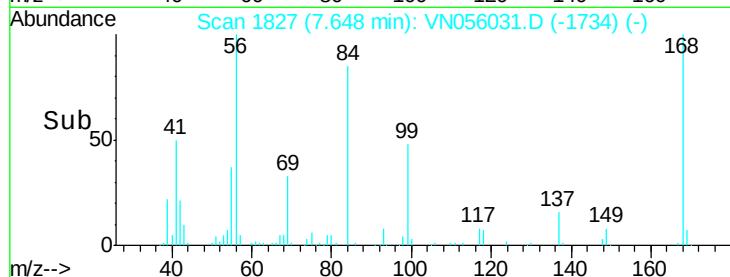
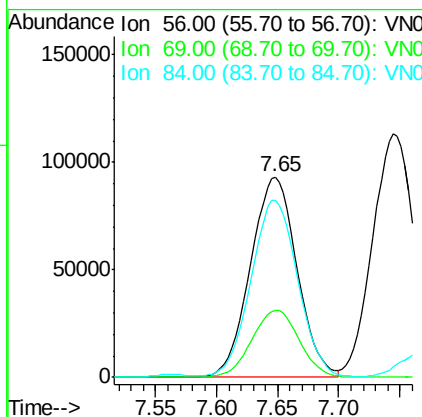
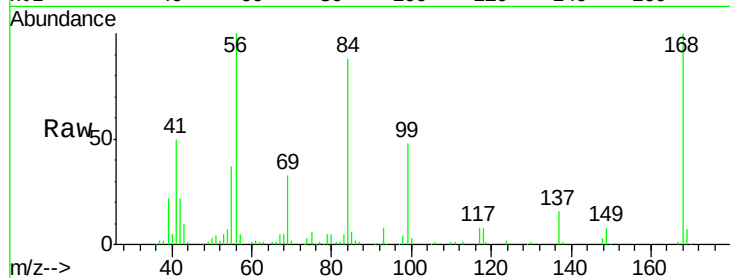
#31
Cyclohexane
Concen: 48.063 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	25.6	38.4
84	86.9	67.4	101.0

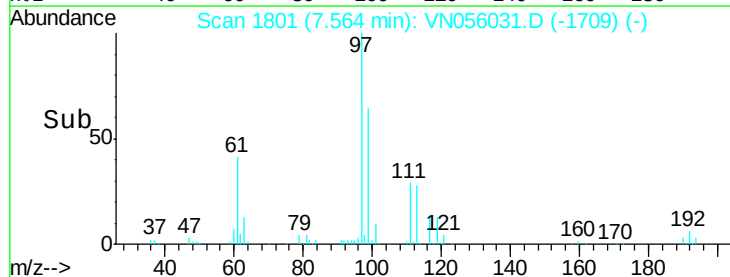
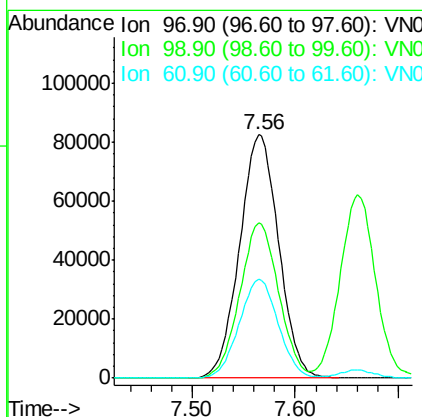
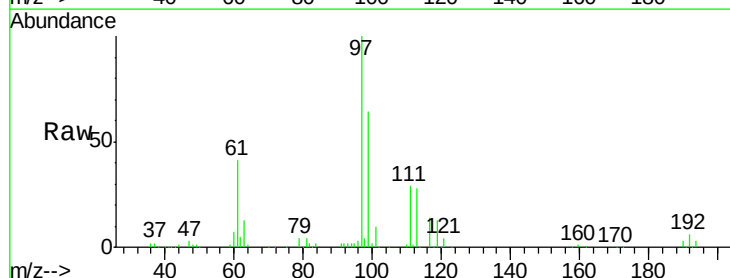
Manual Integrations
APPROVED

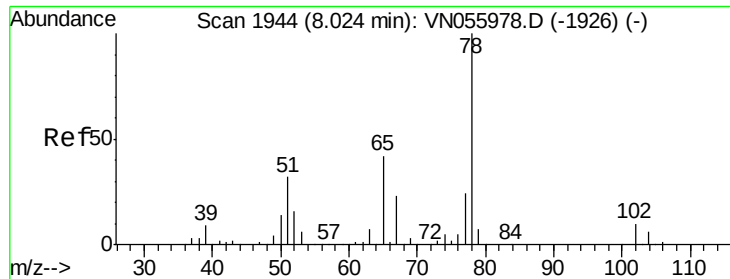
MMDadoda
6/7/2019 9:36:50 AM



#32
1,1,1-Trichloroethane
Concen: 50.266 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.0	78.0
61	40.7	32.9	49.3





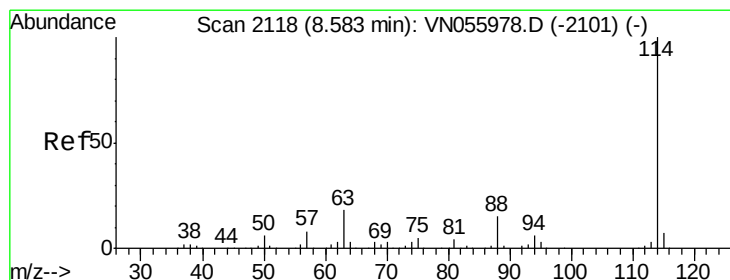
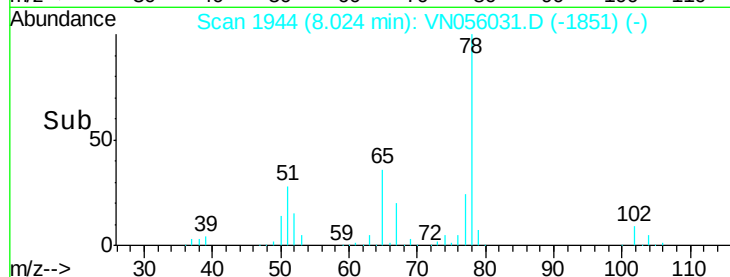
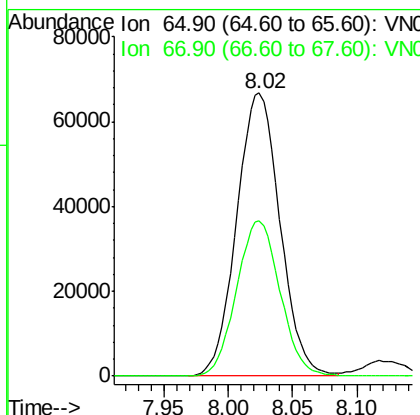
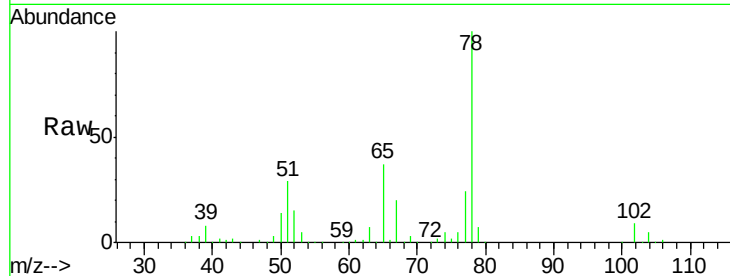
#33
 1,2-Dichloroethane-d4
 Concen: 48.324 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156409		
67	54.8	0.0	109.2	

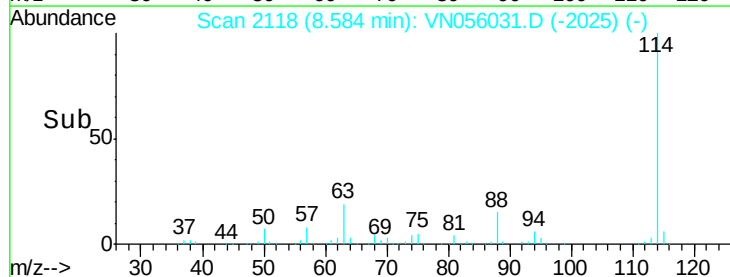
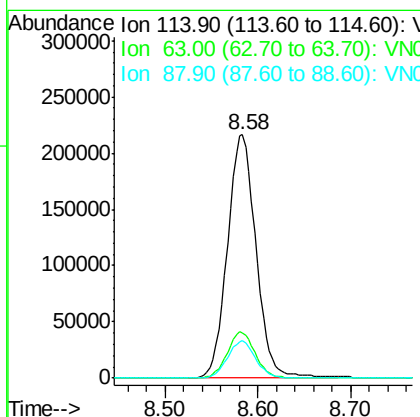
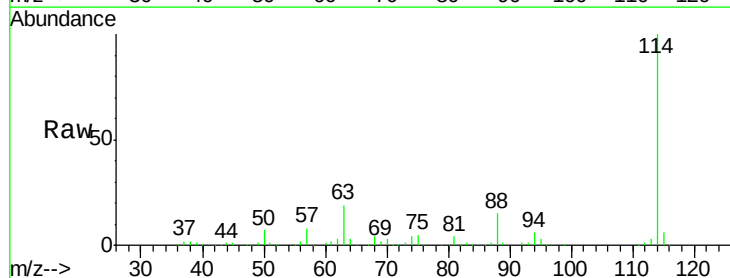
Manual Integrations
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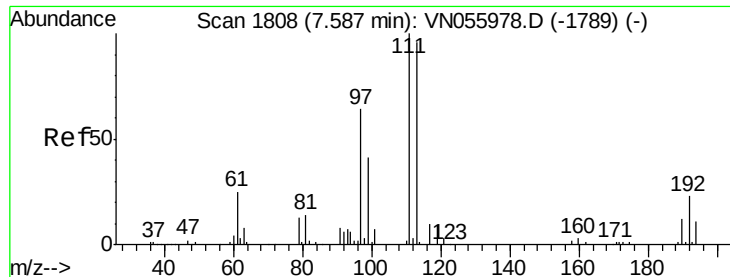
MMDadoda
 6/7/2019 9:36:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	462864		
63	18.7	0.0	39.2	
88	15.2	0.0	31.0	





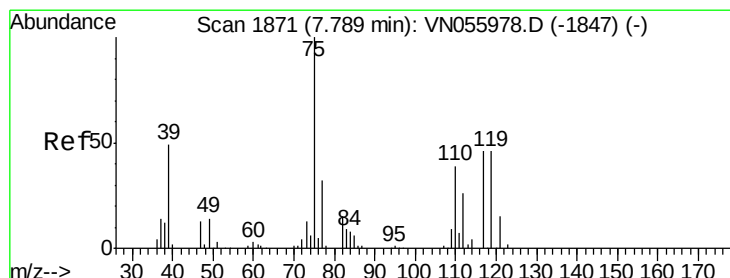
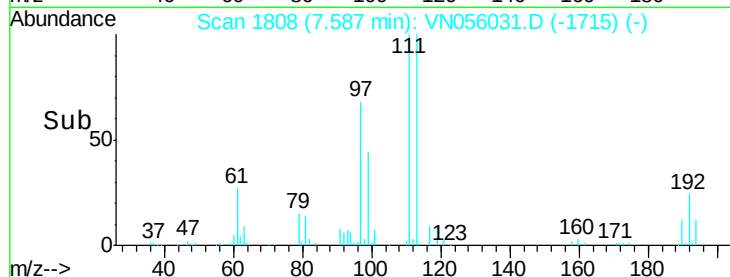
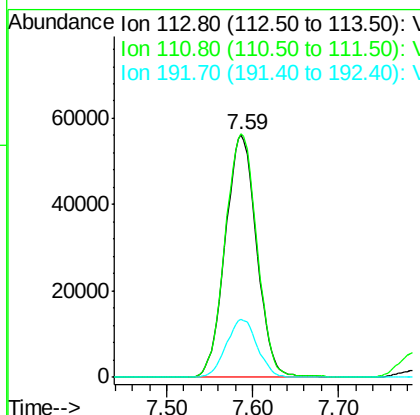
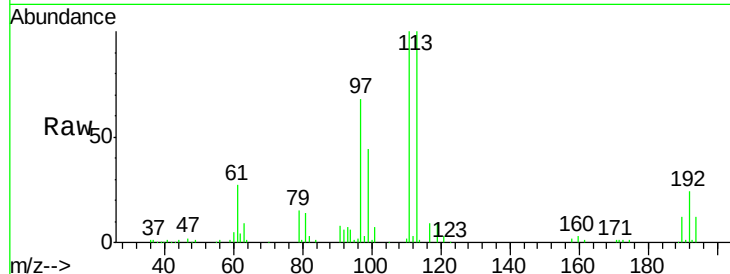
#35
 Dibromofluoromethane
 Concen: 50.082 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142224		
111	101.8	81.9	122.9	
192	23.5	19.5	29.3	

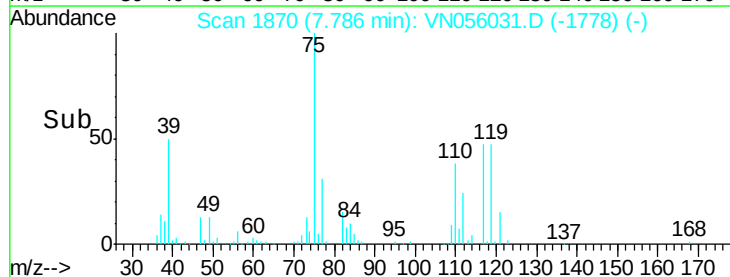
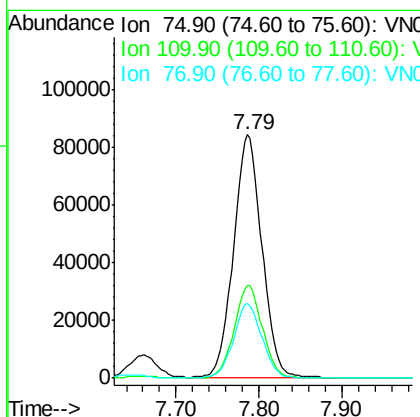
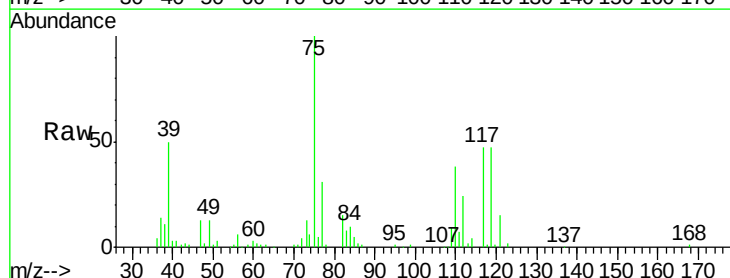
Manual Integrations
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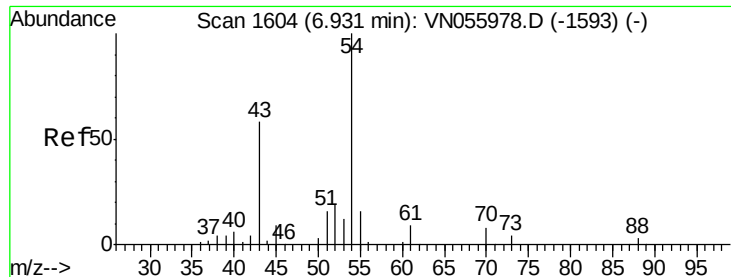
MMDadoda
 6/7/2019 9:36:50 AM



#36
 1,1-Dichloropropene
 Concen: 50.401 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	200597		
110	38.0	19.0	57.0	
77	30.7	25.1	37.7	





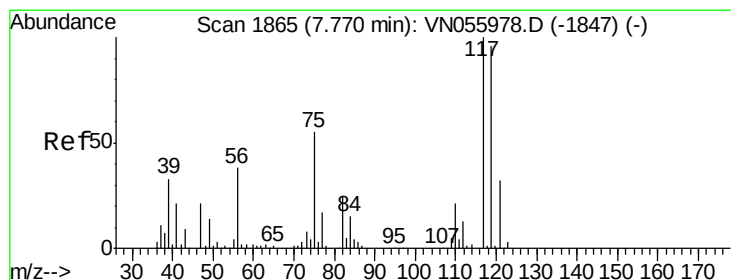
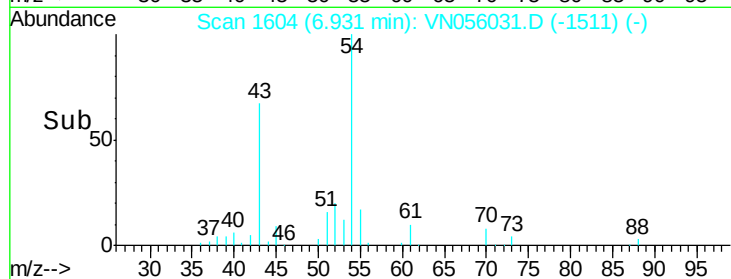
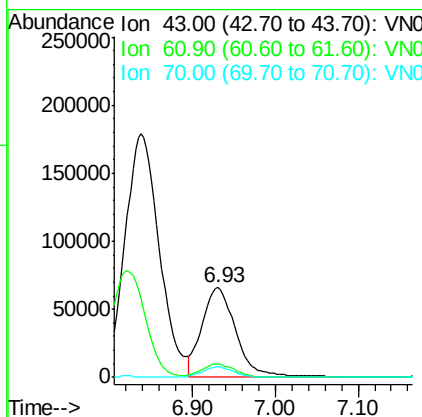
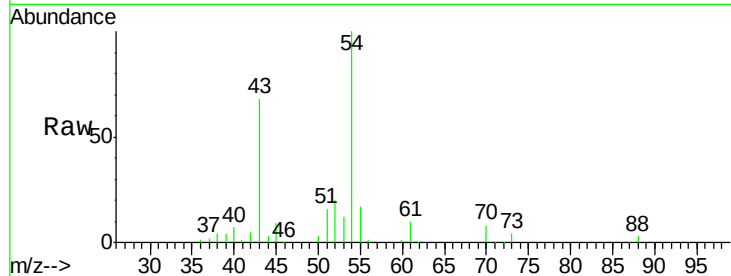
#37
Ethyl Acetate
Concen: 52.497 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.2	18.2
70	11.1	8.9	13.3

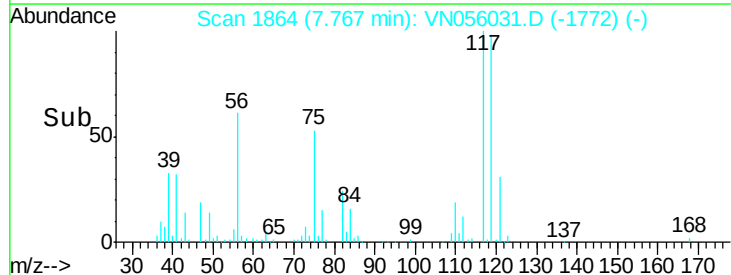
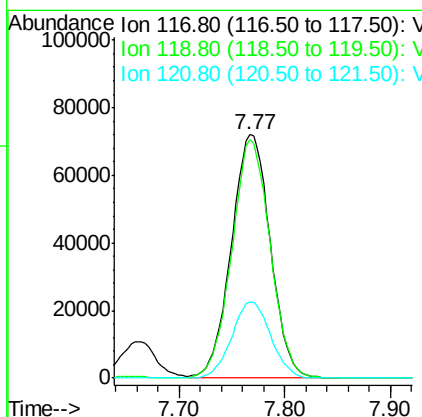
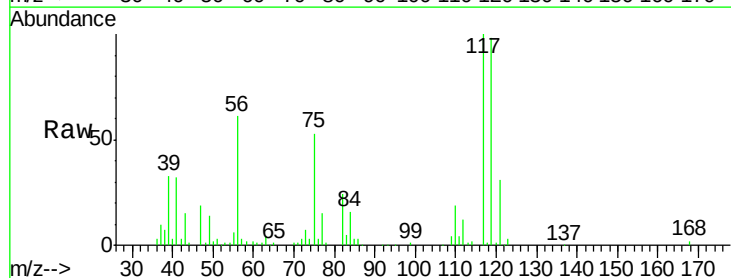
Manual Integrations
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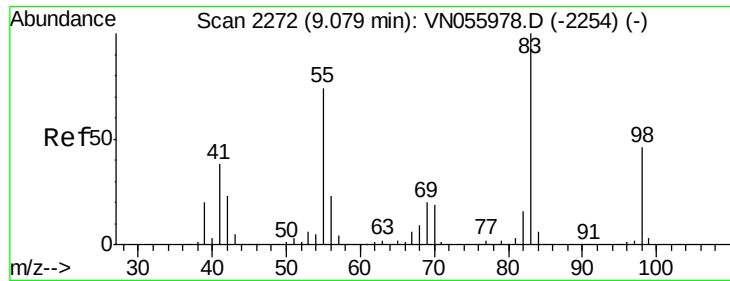
MMDadoda
6/7/2019 9:36:50 AM



#38
Carbon Tetrachloride
Concen: 50.115 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	79.0	118.6
121	31.4	24.7	37.1





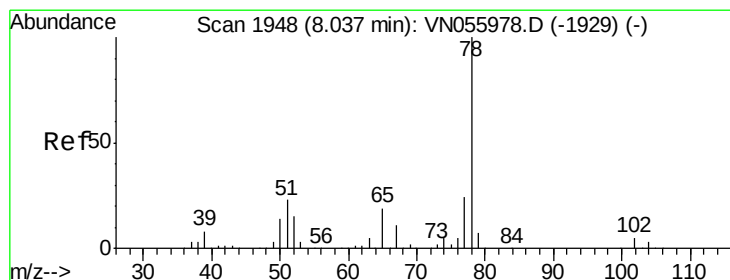
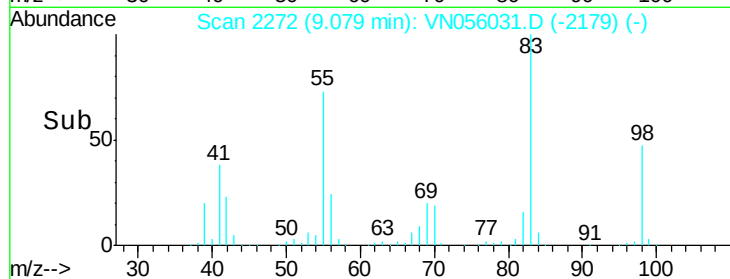
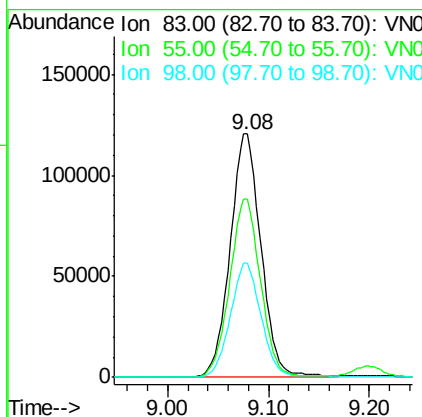
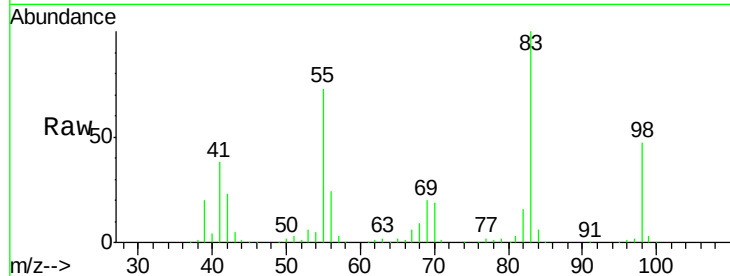
#39
Methylvlcyclohexane
Concen: 51.837 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	257005
Ion Ratio	100	Lower	Upper
83	100		
55	73.0	59.3	88.9
98	46.8	36.6	54.8

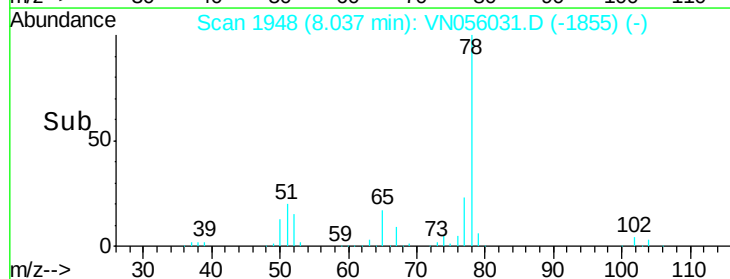
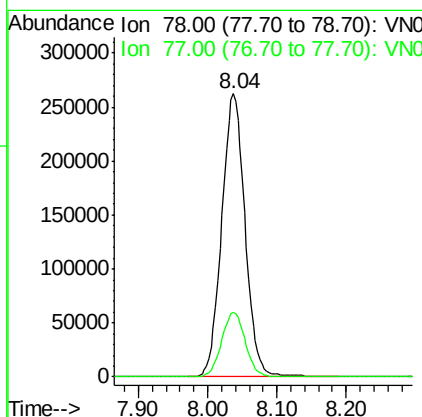
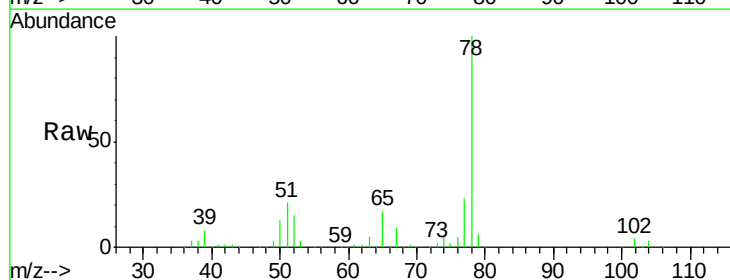
Manual Integrations
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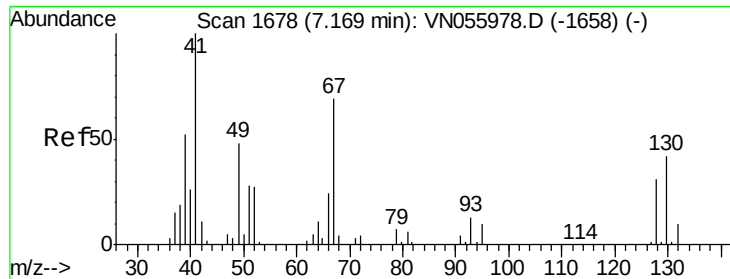
MMDadoda
6/7/2019 9:36:50 AM



#40
Benzene
Concen: 50.903 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	78	Resp	615317
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	18.8	28.2





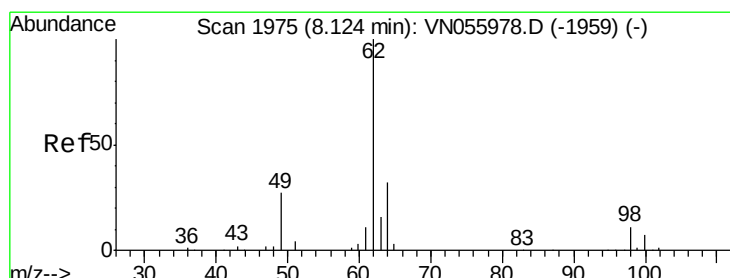
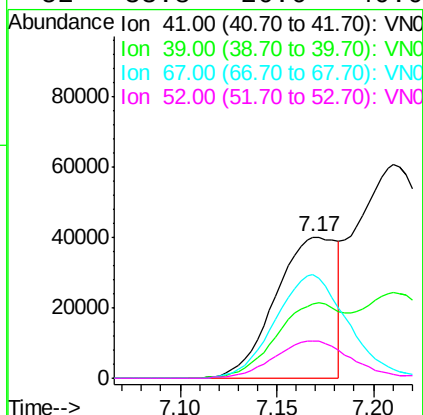
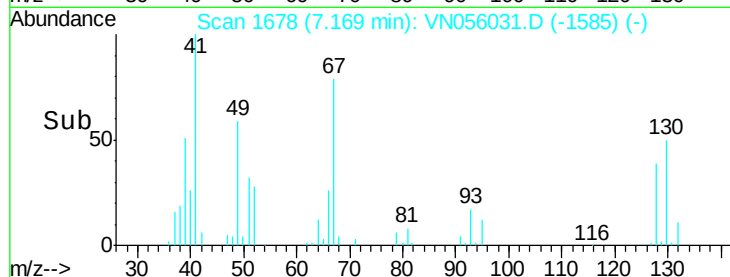
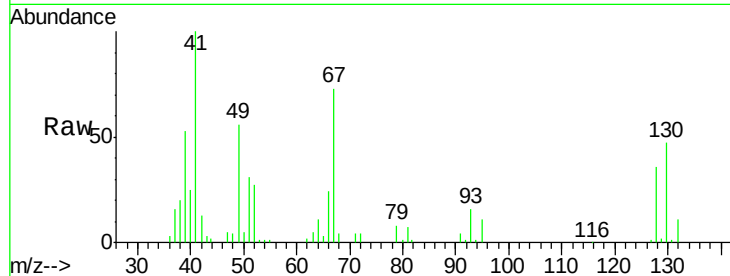
#41
Methacrylonitrile
Concen: 54.509 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	88812
Ion	Ratio	Lower	Upper
41	100		
39	60.1	45.6	68.4
67	87.7	67.7	101.5
52	33.8	26.6	40.0

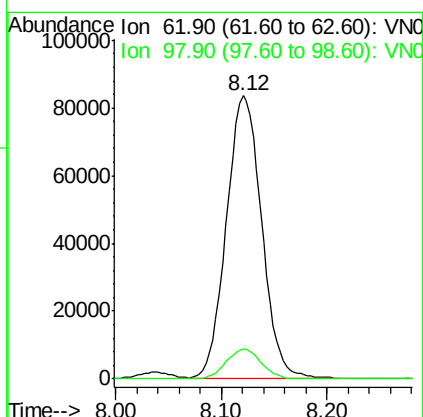
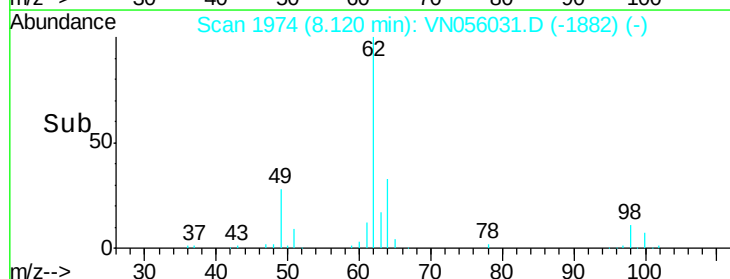
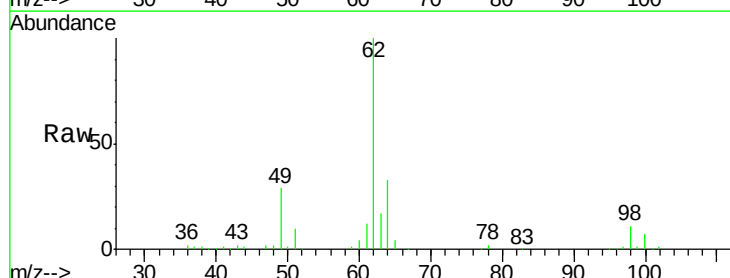
Manual Integrations
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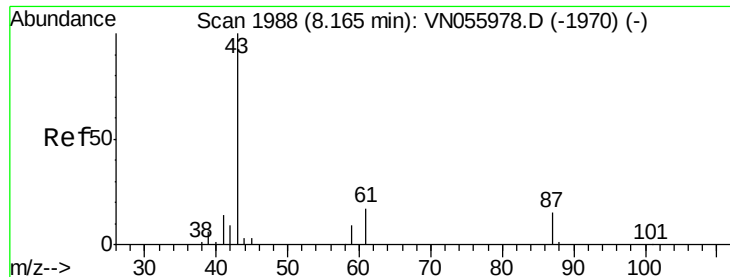
MMDadoda
6/7/2019 9:36:50 AM



#42
1,2-Dichloroethane
Concen: 49.532 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion:	62	Resp:	192595
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2





#43

Isopropyl Acetate

Concen: 51.114 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

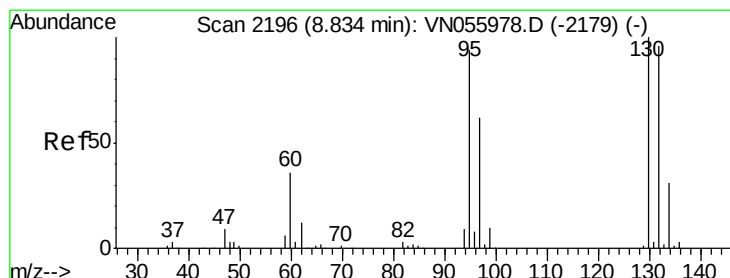
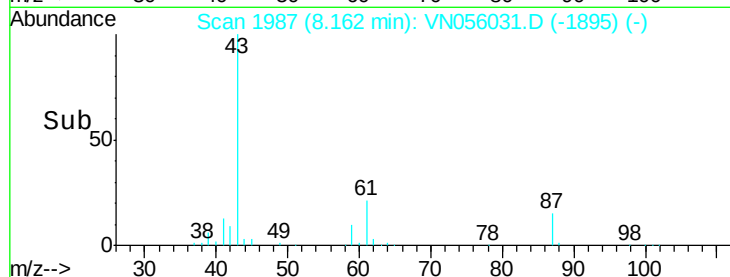
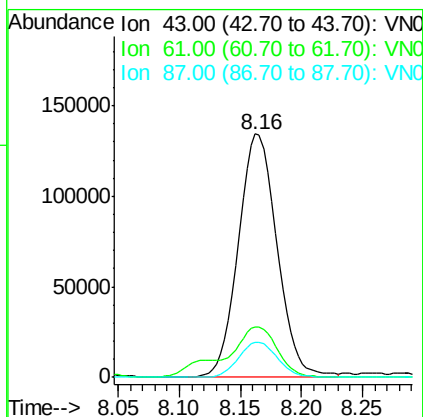
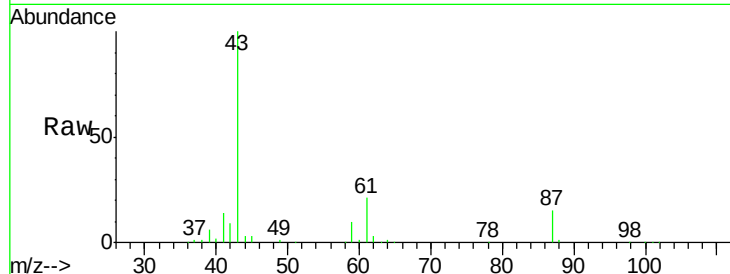
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	293316
Ion Ratio	Lower	Upper	
43	100		
61	21.2	22.2	33.4#
87	14.6	11.4	17.2

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6/7/2019 9:36:50 AM



#44

Trichloroethene

Concen: 49.635 ug/l

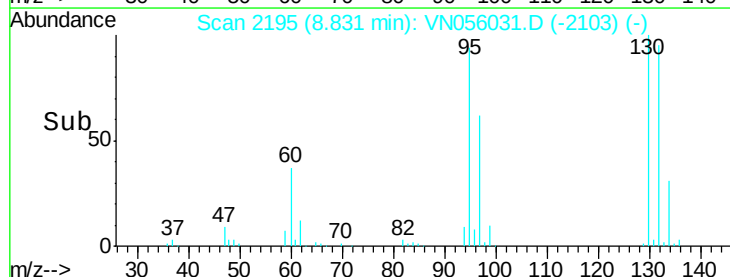
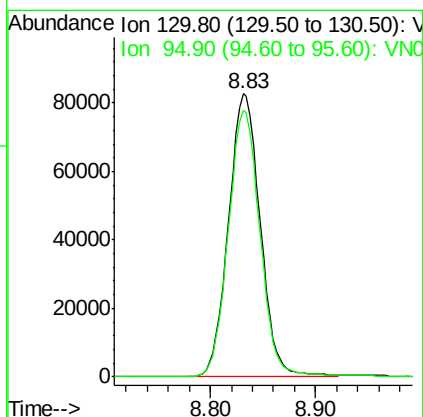
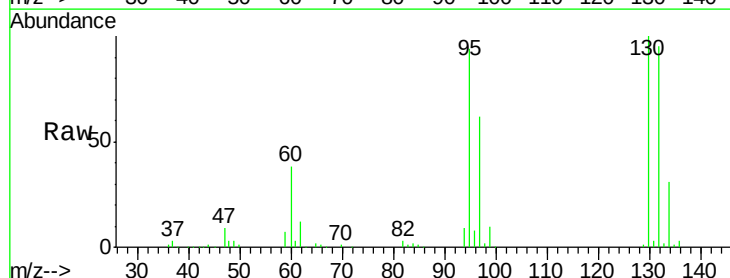
RT: 8.83 min Scan# 2195

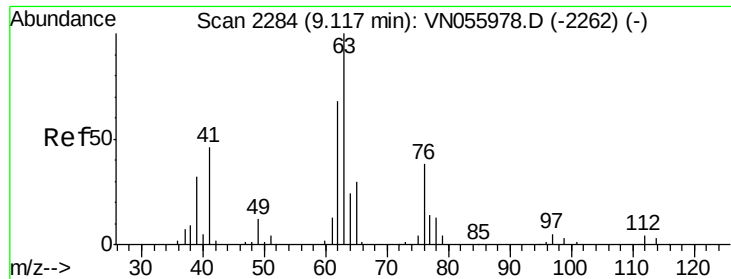
Delta R.T. -0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Tgt Ion:	130	Resp:	172407
Ion Ratio	Lower	Upper	
130	100		
95	94.4	0.0	188.0





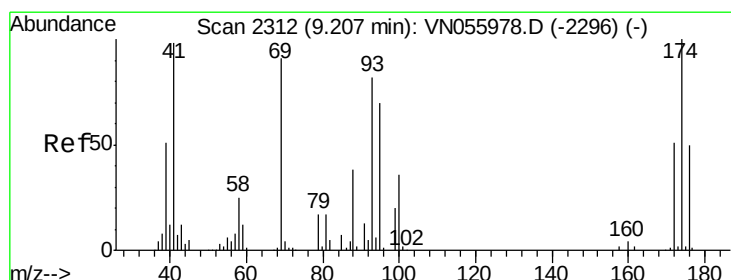
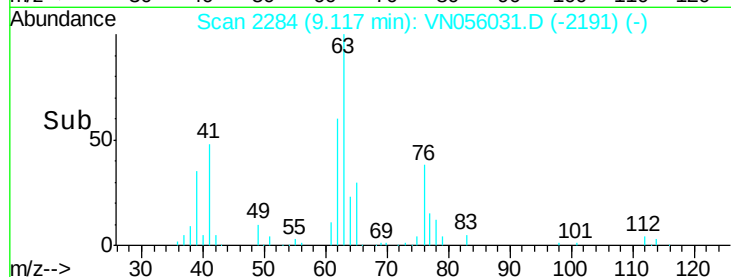
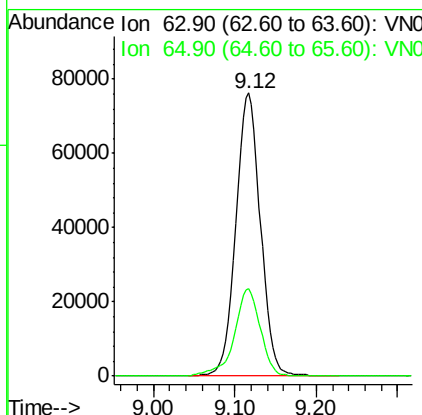
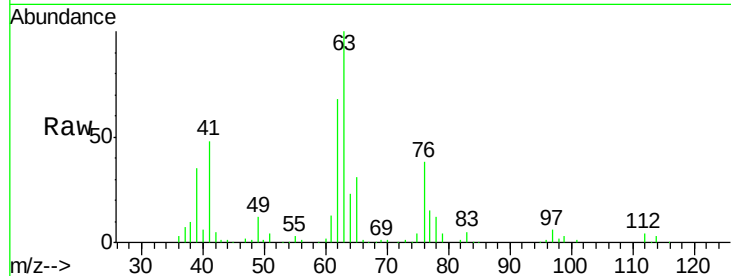
#45
 1,2-Dichloropropane
 Concen: 51.605 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 159783
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8

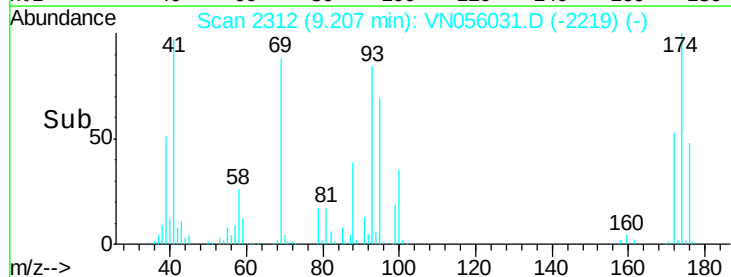
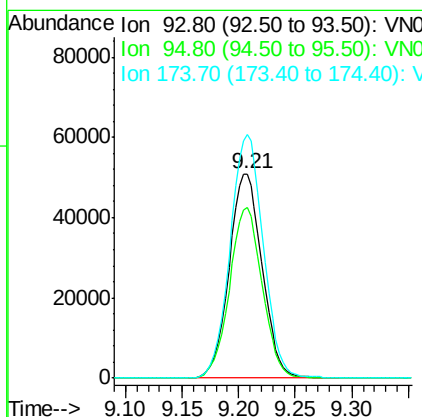
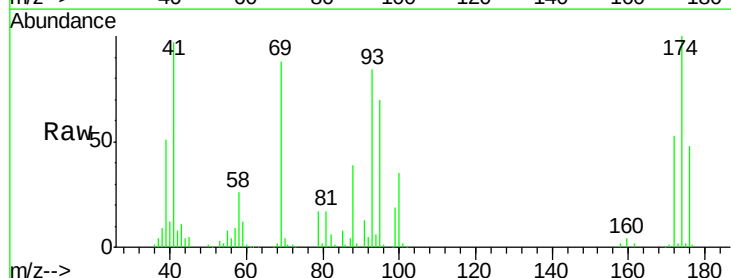
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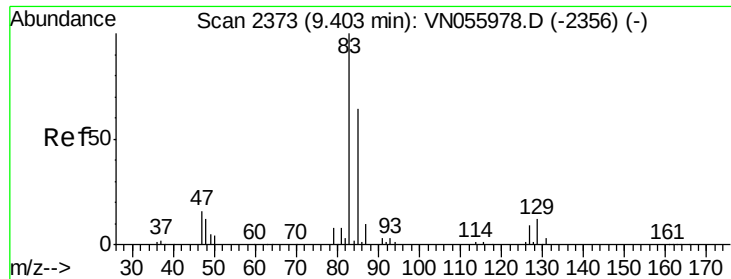
MMDadoda
 6/7/2019 9:36:50 AM



#46
 Dibromomethane
 Concen: 51.074 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 93 Resp: 103412
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 119.6 96.4 144.6





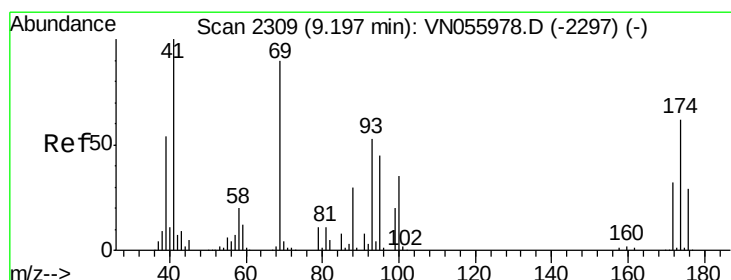
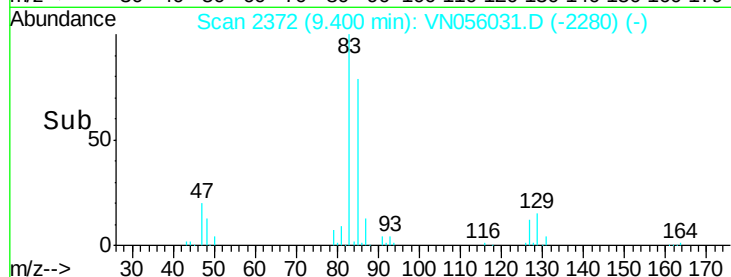
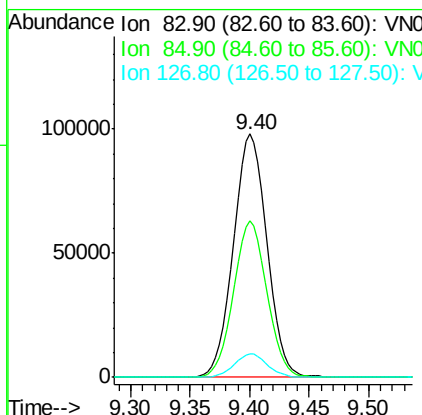
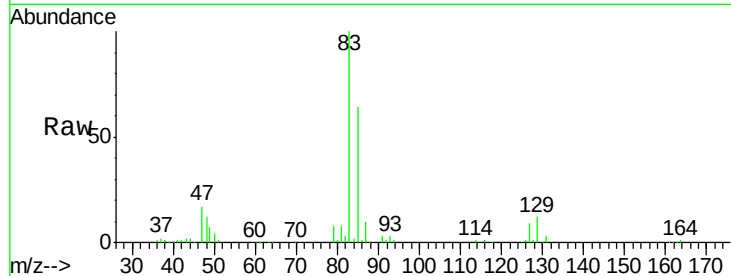
#47
Bromodichloromethane
Concen: 52.187 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	191509		
85	64.2	52.2	78.2	
127	9.4	7.4	11.0	

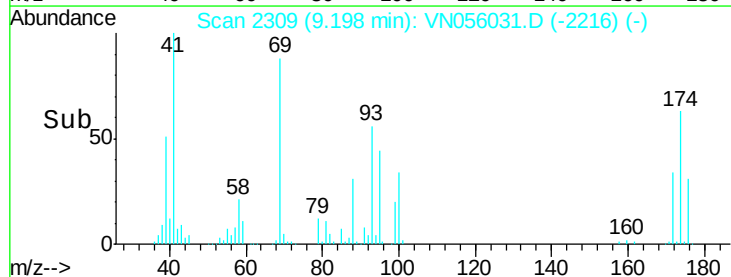
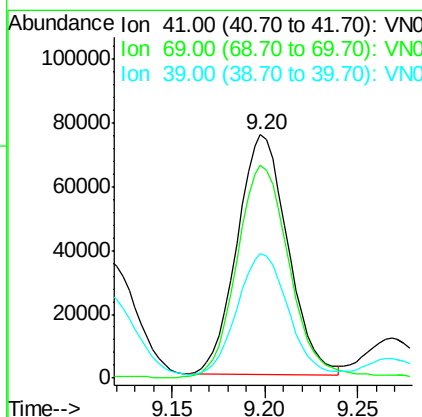
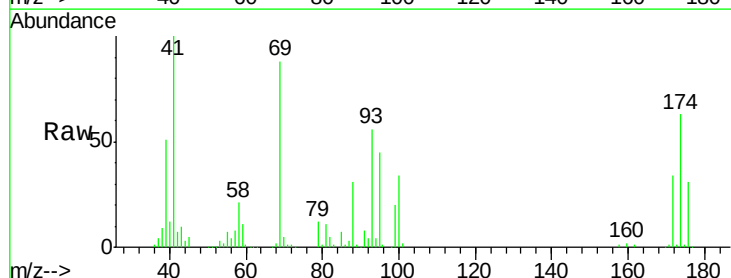
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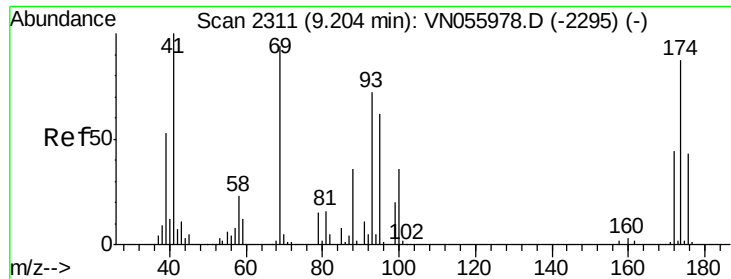
MMDadoda
6/7/2019 9:36:50 AM



#48
Methyl methacrylate
Concen: 50.624 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	142123		
69	92.6	71.0	106.6	
39	53.4	44.2	66.2	





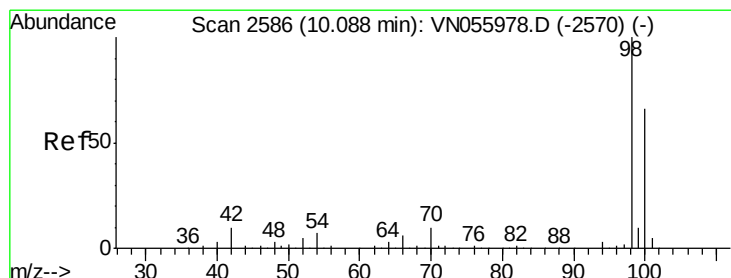
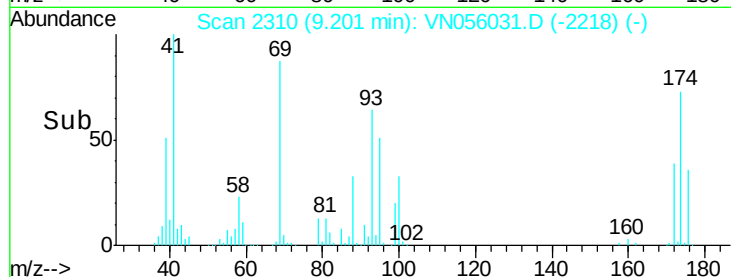
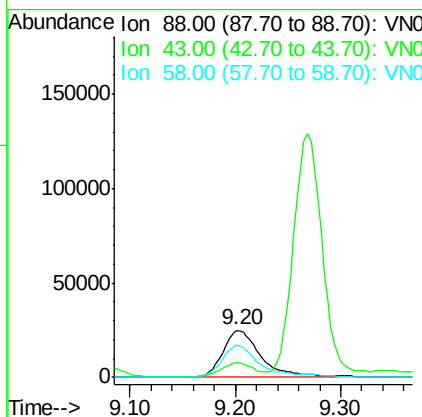
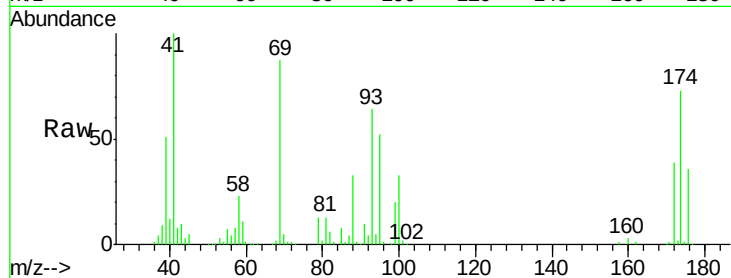
#49
1,4-Dioxane
Concen: 1024.145 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 62072
Ion Ratio Lower Upper
88 100
43 25.5 20.5 30.7
58 70.2 55.8 83.6

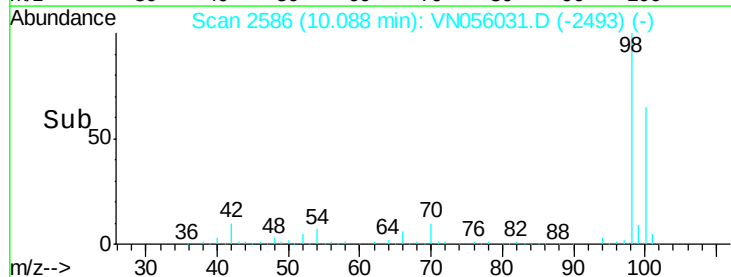
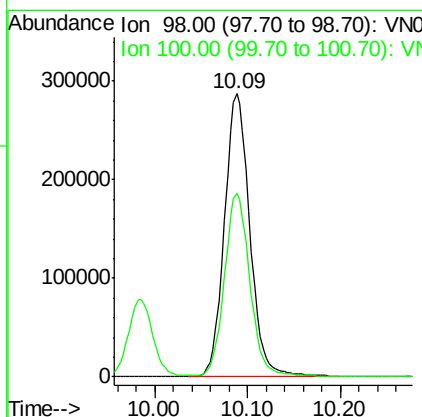
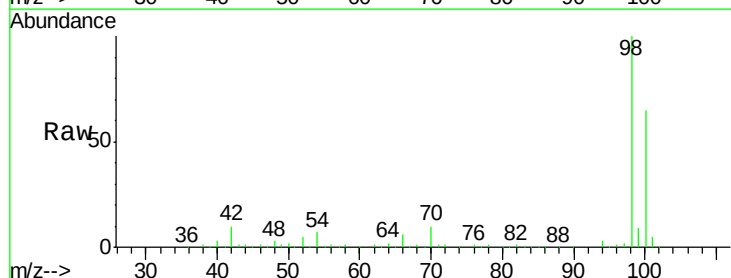
Manual Integrations
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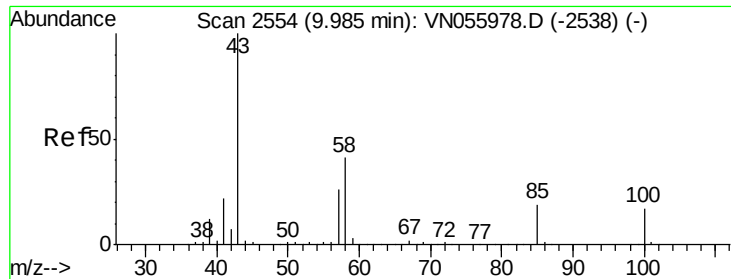
MMDadoda
6/7/2019 9:36:50 AM



#50
Toluene-d8
Concen: 50.143 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 98 Resp: 547941
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 255.024 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 915161

Ion Ratio Lower Upper

43 100

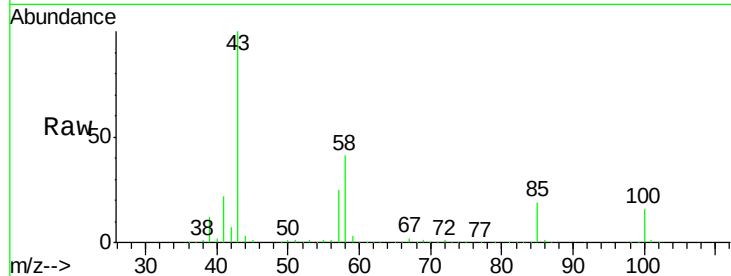
58 40.5 32.1 48.1

Manual Integrations

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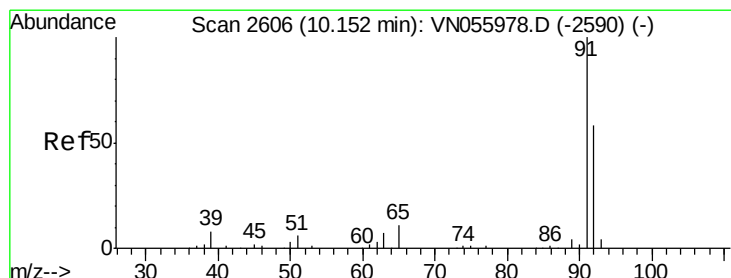
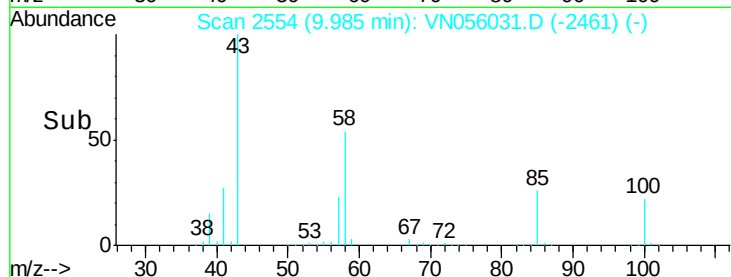
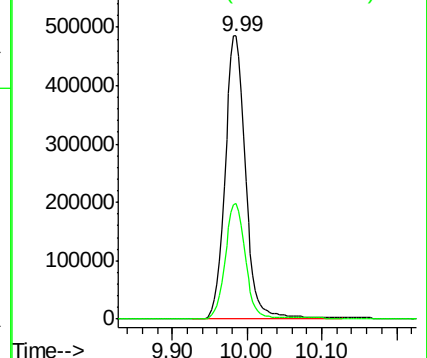
MMDadoda

6/7/2019 9:36:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.746 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056031.D

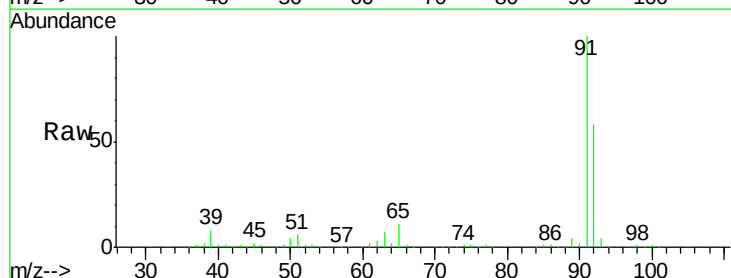
Acq: 6 Jun 2019 8:56

Tgt Ion: 92 Resp: 389234

Ion Ratio Lower Upper

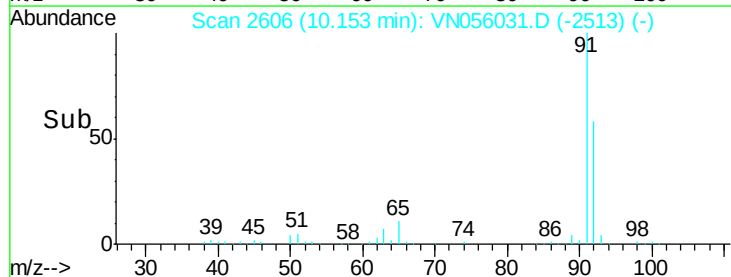
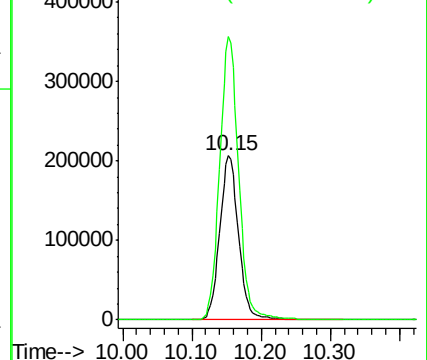
92 100

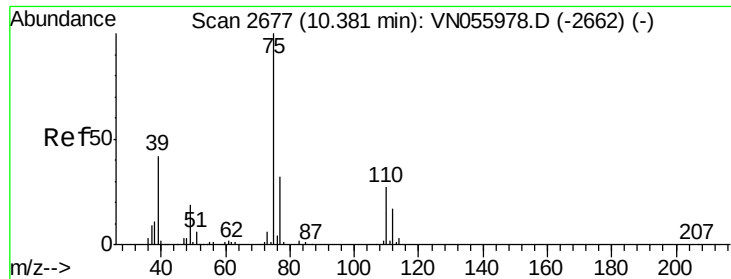
91 173.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





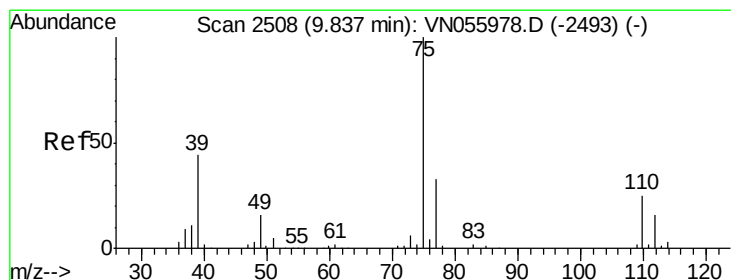
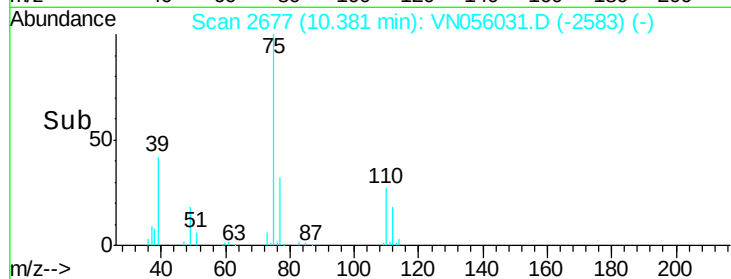
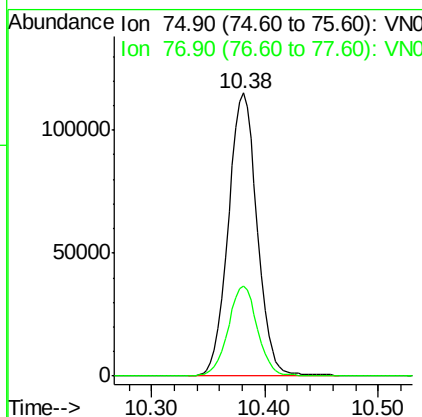
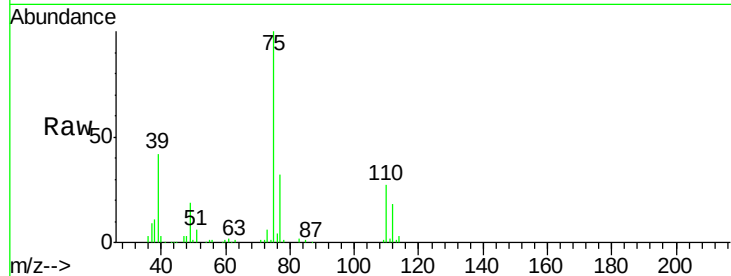
#53
t-1,3-Dichloropropene
Concen: 47.713 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6

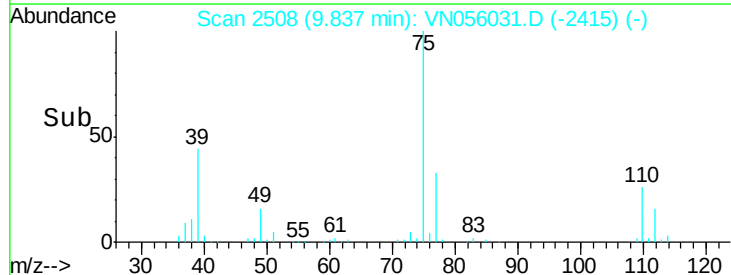
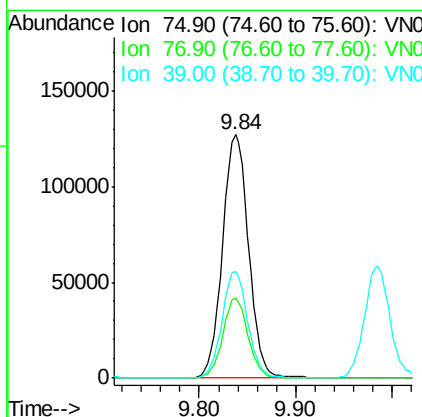
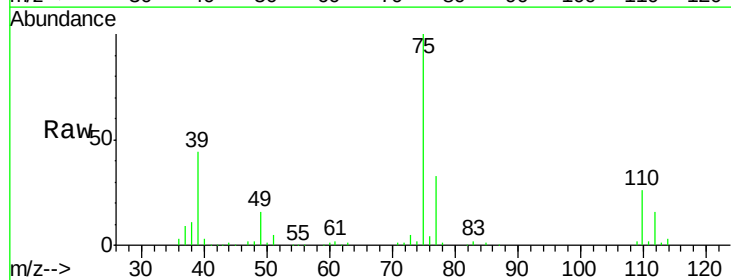
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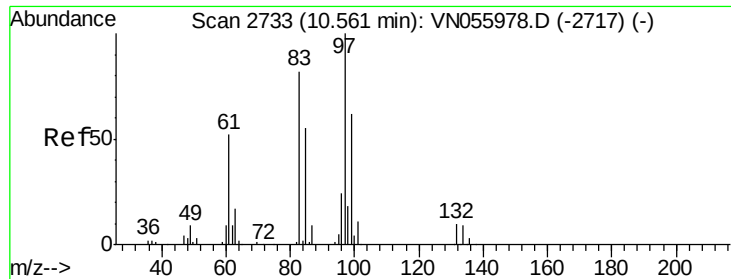
MMDadoda
6/7/2019 9:36:50 AM



#54
cis-1,3-Dichloropropene
Concen: 54.115 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0
39	44.0	36.3	54.5





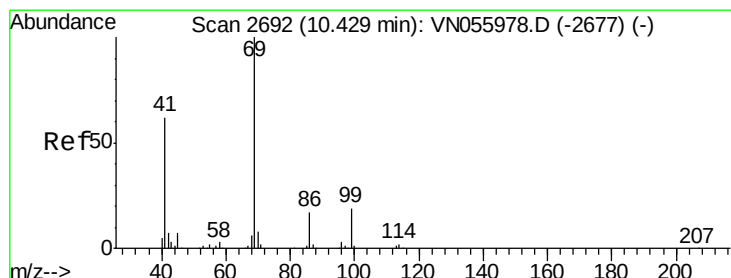
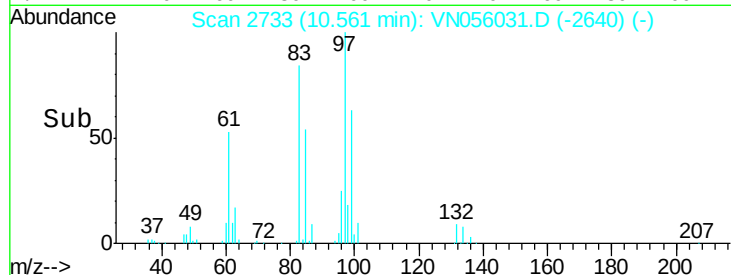
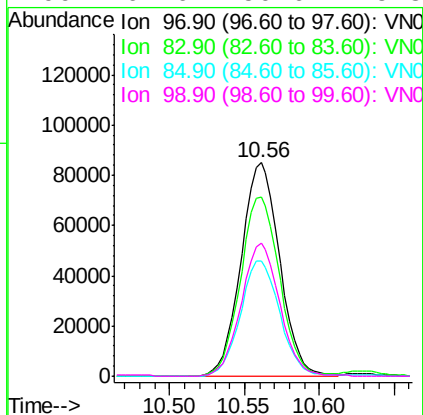
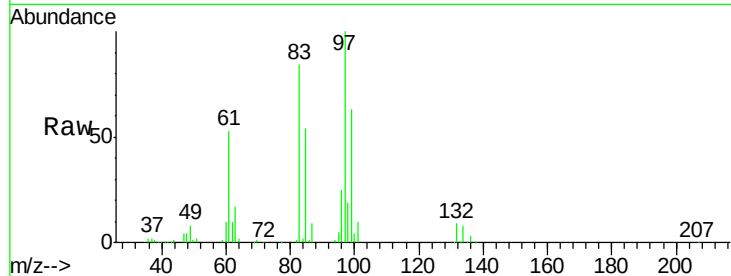
#55
 1,1,2-Trichloroethane
 Concen: 51.342 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	152977
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.0	100.6
85	54.2	44.0	66.0
99	62.6	50.6	75.8

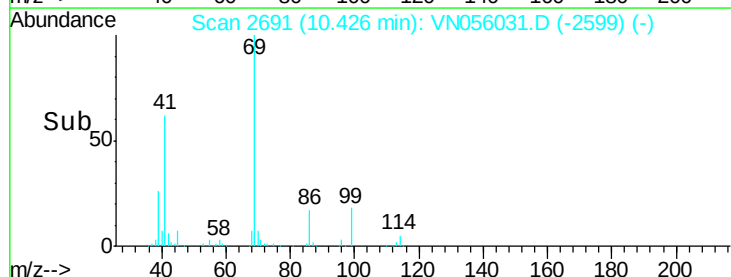
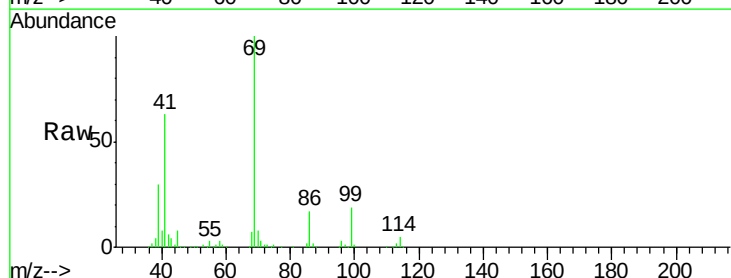
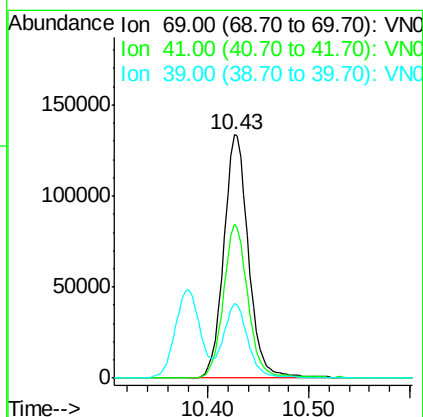
Manual Integrations
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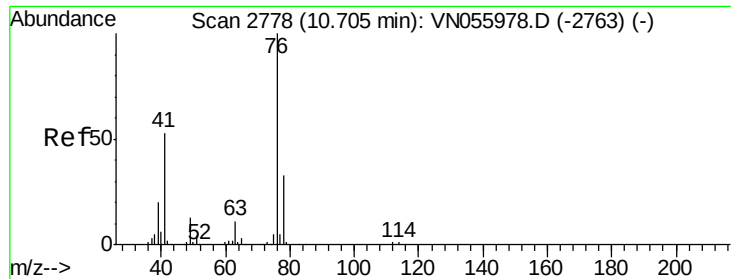
MMDadoda
 6/7/2019 9:36:50 AM



#56
 Ethyl methacrylate
 Concen: 52.760 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion:	69	Resp:	229341
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	30.3	24.7	37.1





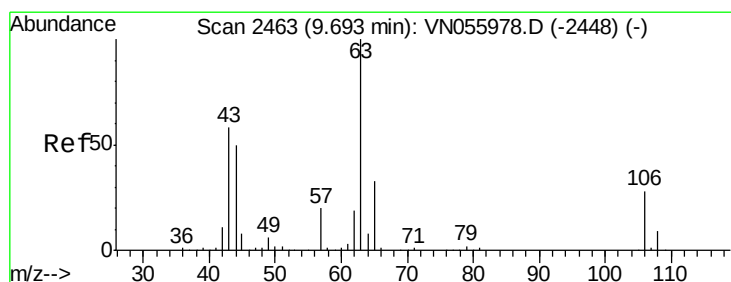
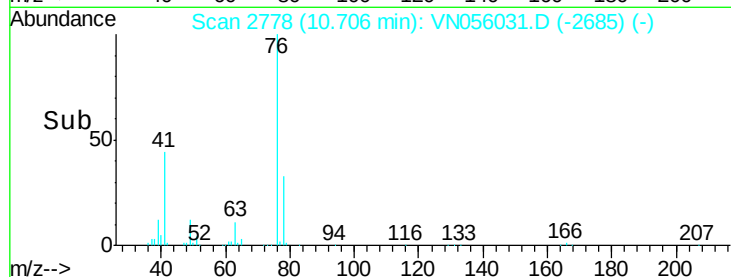
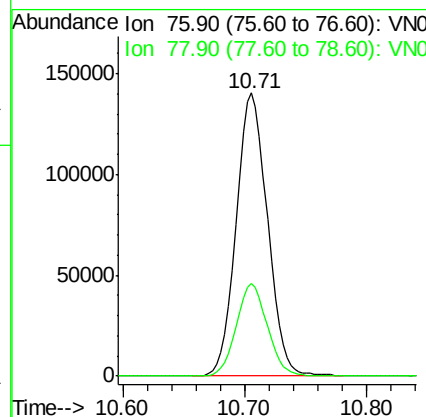
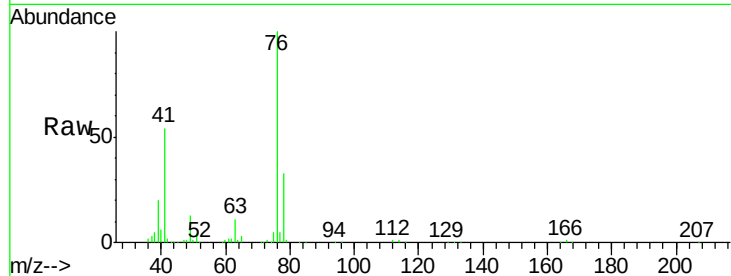
#57
 1,3-Dichloropropane
 Concen: 51.655 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 250200
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

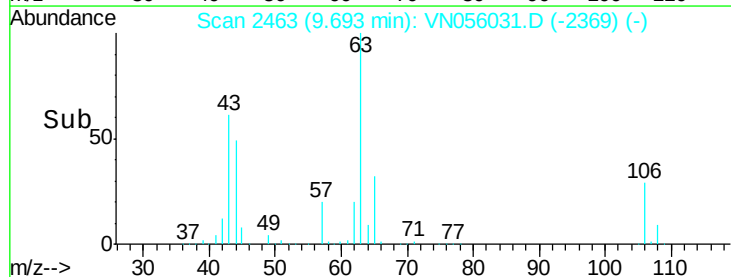
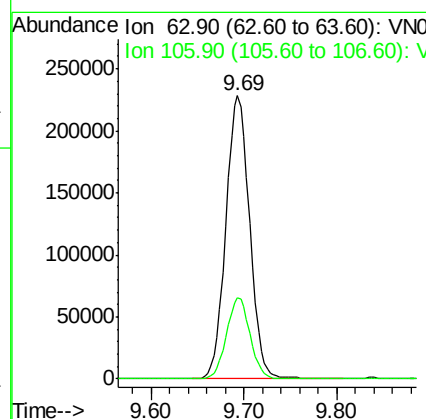
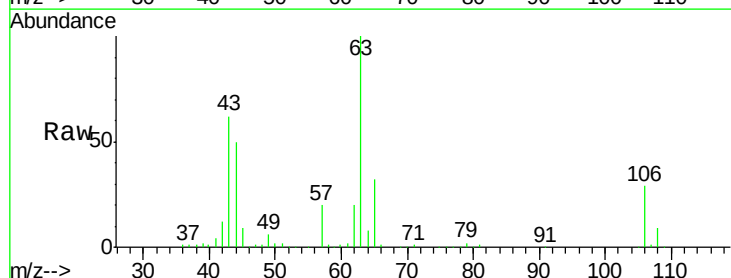
Manual Integrations
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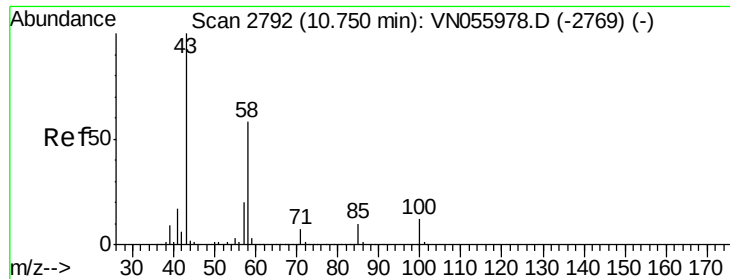
MMDadoda
 6/7/2019 9:36:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.526 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion: 63 Resp: 406176
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.7 34.1





#59

2-Hexanone

Concen: 258.881 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 673320

Ion Ratio Lower Upper

43 100

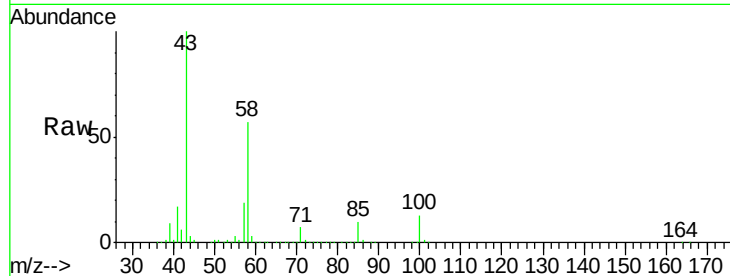
58 57.0 28.2 84.7

Manual Integrations

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MMDadoda

6/7/2019 9:36:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2769) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2769) (-)

10.75

400000

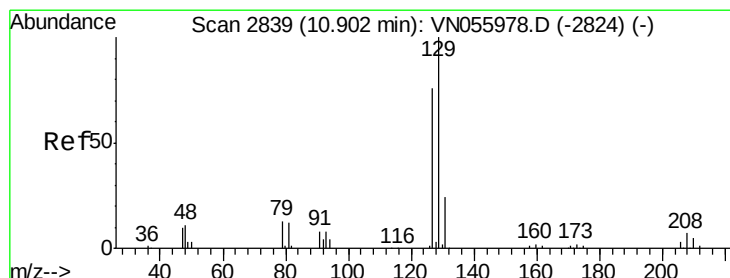
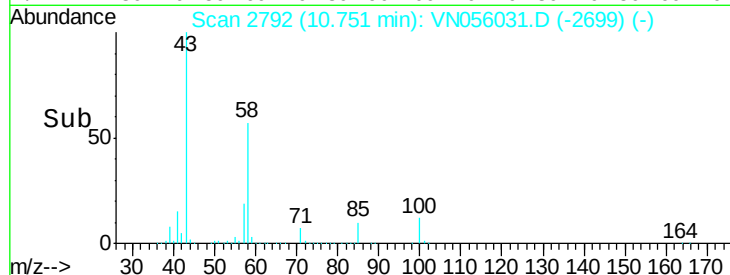
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 47.381 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056031.D

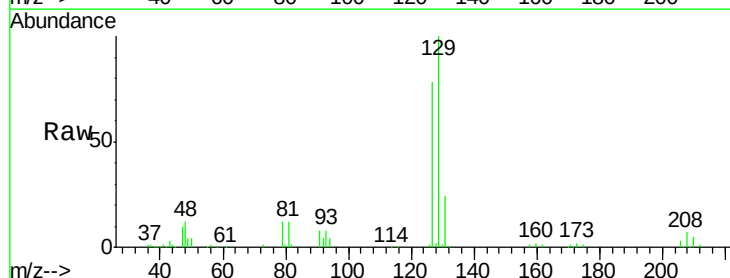
Acq: 6 Jun 2019 8:56

Tgt Ion: 129 Resp: 155258

Ion Ratio Lower Upper

129 100

127 76.8 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): VN055978.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2824) (-)

10.90

100000

80000

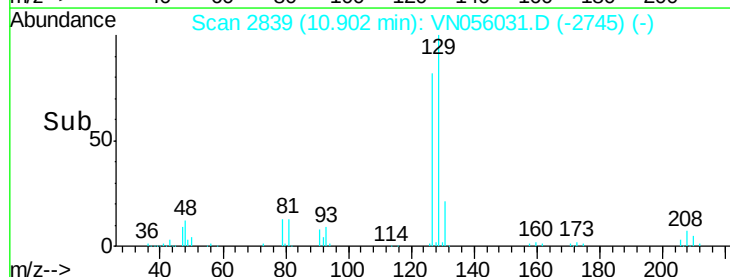
60000

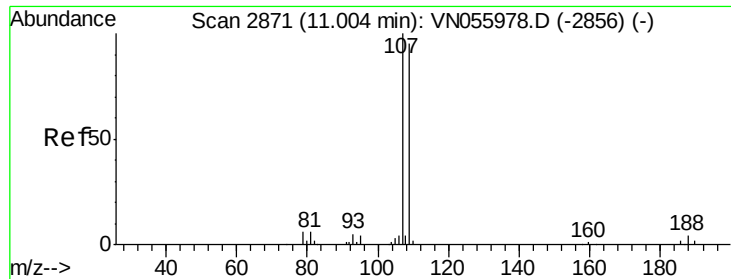
40000

20000

0

Time-->





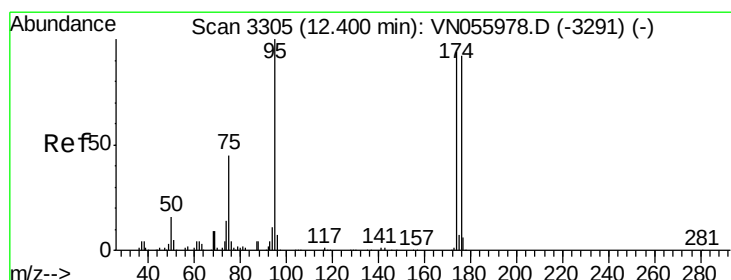
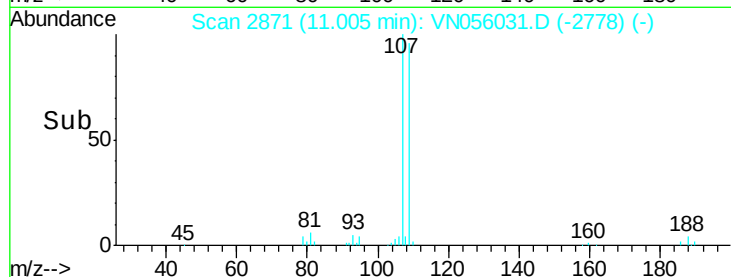
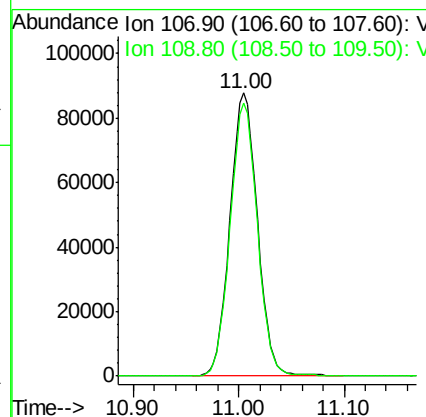
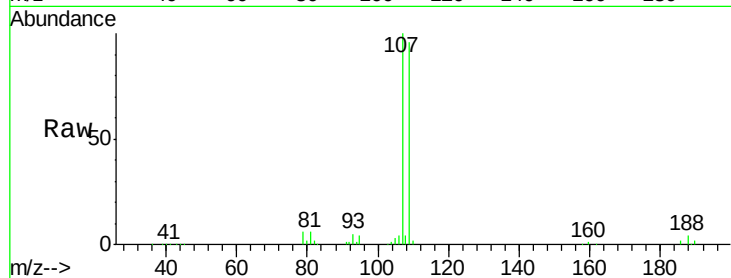
#61
 1,2-Dibromoethane
 Concen: 51.918 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	158145		
109	95.7	74.8	112.2	

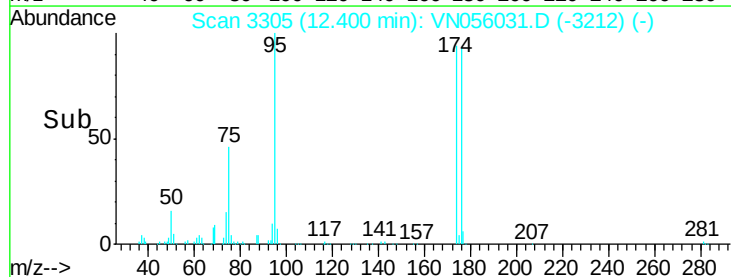
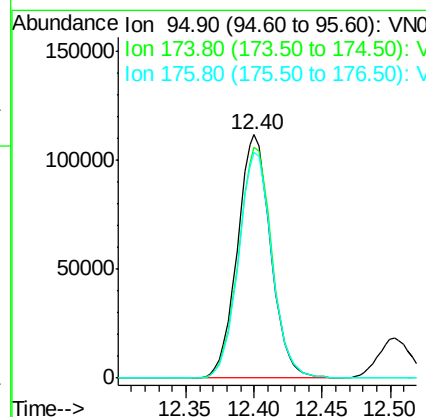
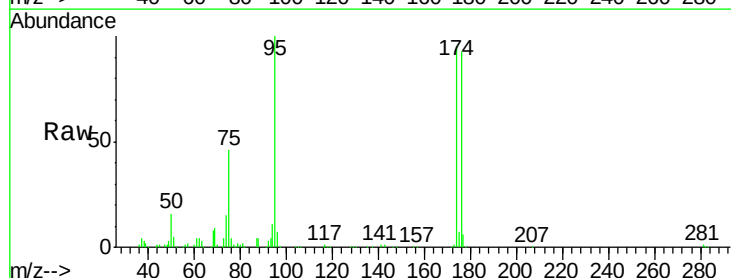
Manual Integrations
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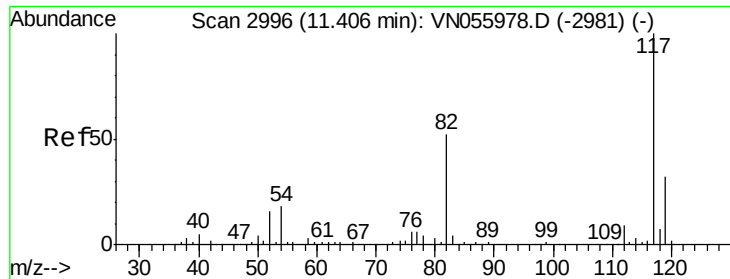
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 6/7/2019 9:36:50 AM



#62
 4-Bromofluorobenzene
 Concen: 50.972 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	189422		
174	95.1	0.0	191.0	
176	92.6	0.0	185.2	





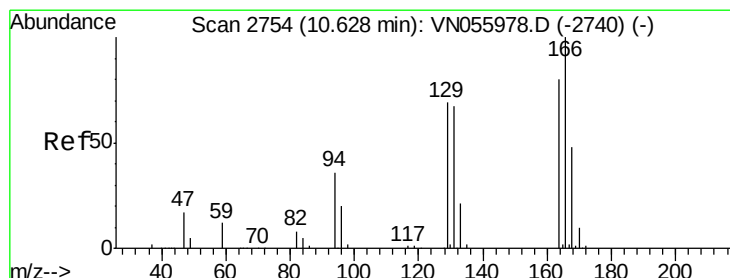
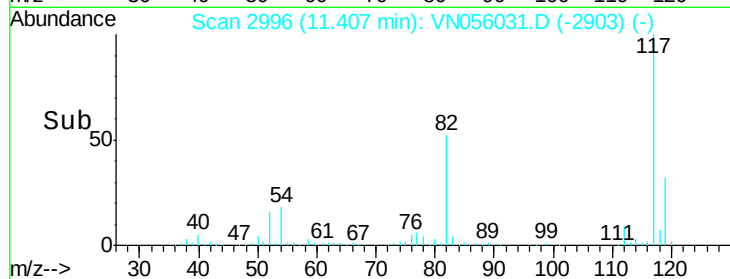
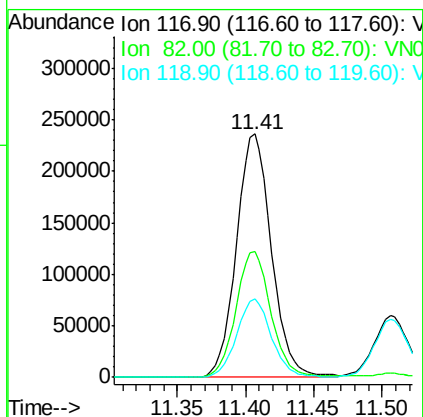
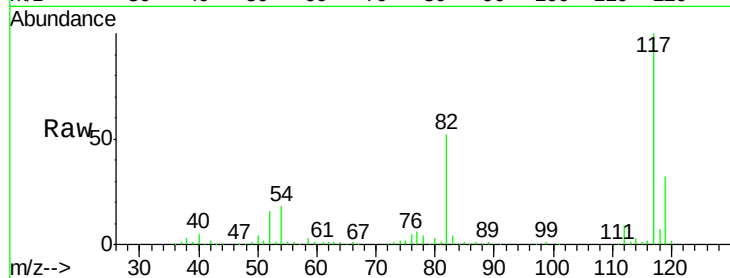
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.8	62.8
119	32.2	25.4	38.0

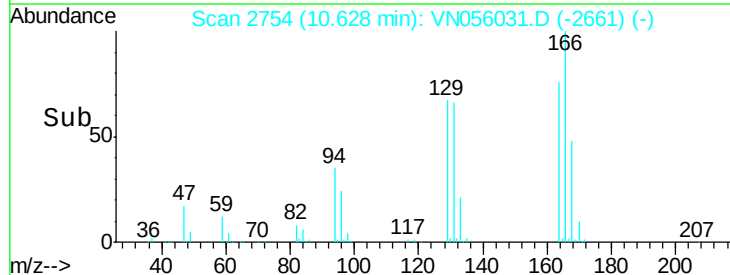
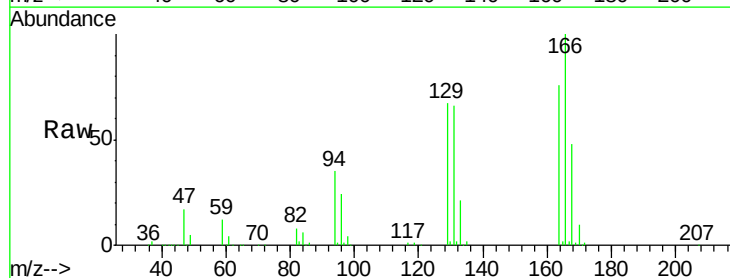
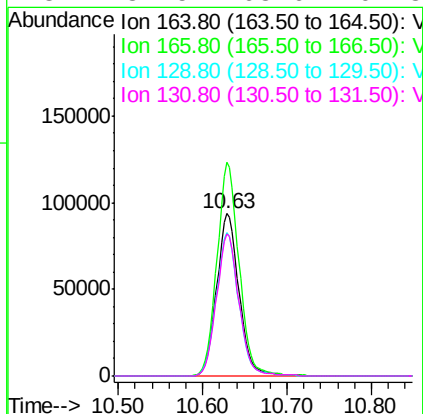
Manual Integrations
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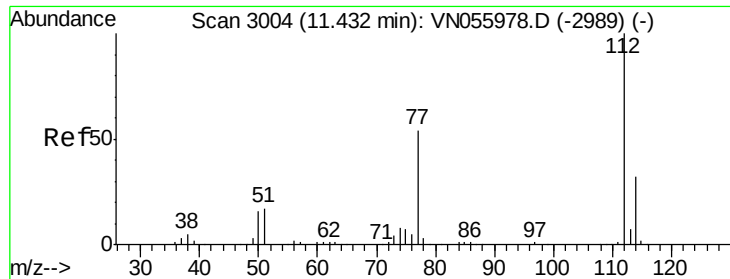
MMDadoda
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#64
Tetrachloroethene
Concen: 47.401 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	103.0	154.6
129	88.6	70.6	105.8
131	87.5	68.6	102.8





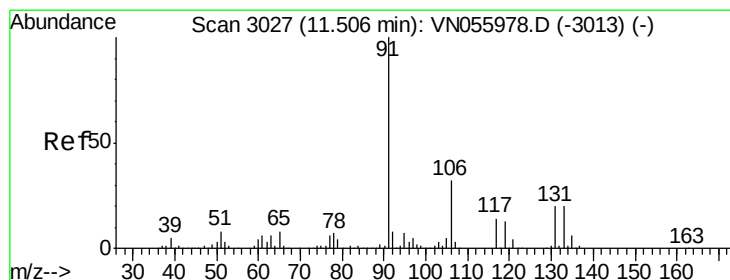
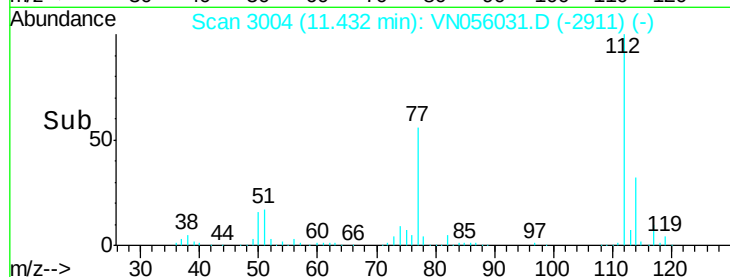
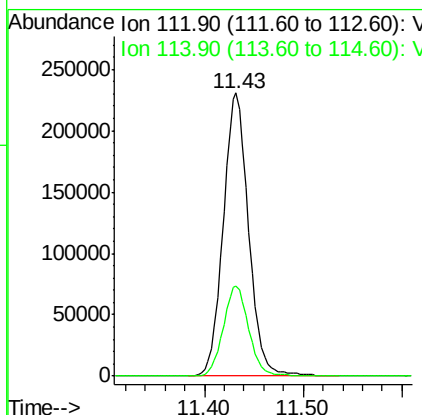
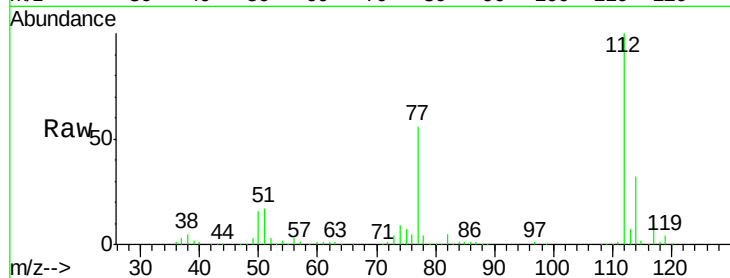
#65
Chlorobenzene
Concen: 49.620 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 415761
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

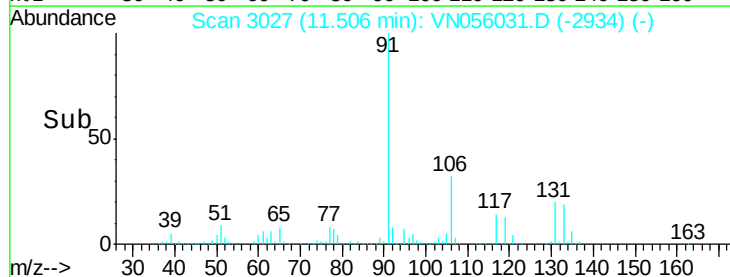
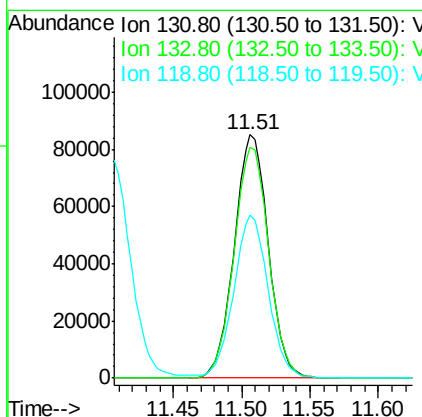
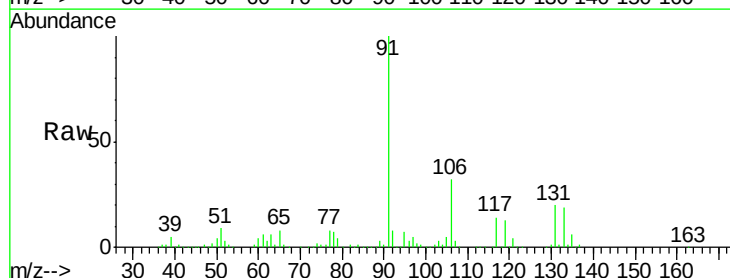
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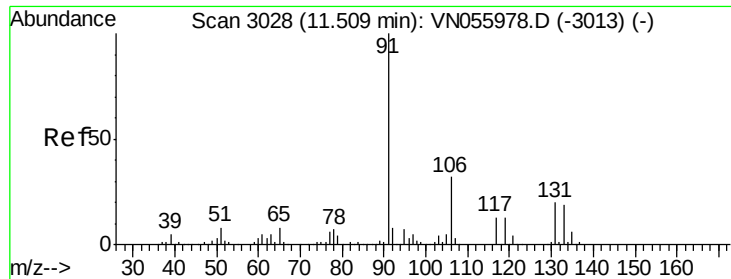
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6/7/2019 9:36:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.081 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion:131 Resp: 147782
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 67.7 33.1 99.5





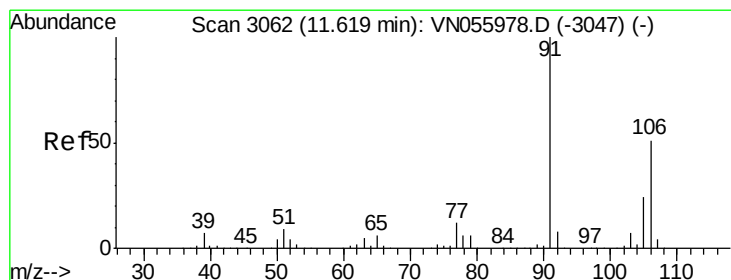
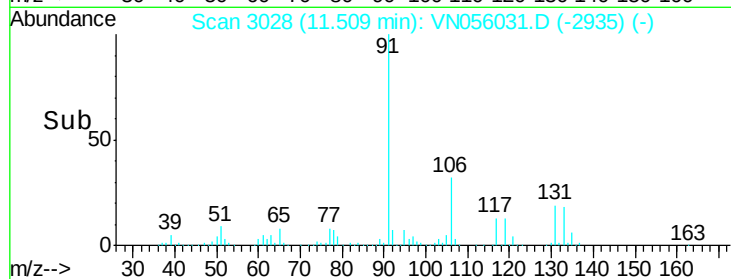
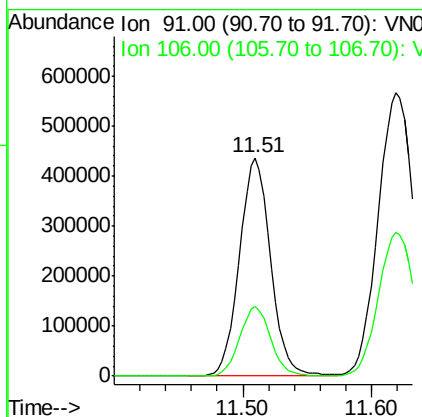
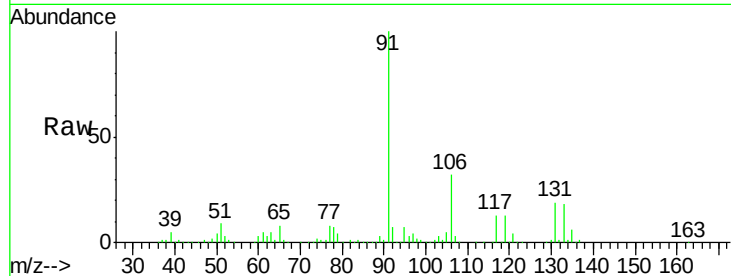
#67
Ethyl Benzene
Concen: 50.514 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 735953
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7

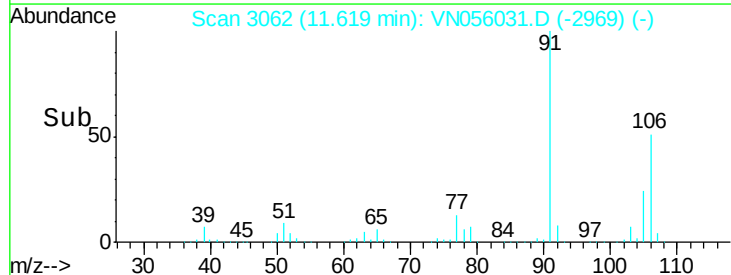
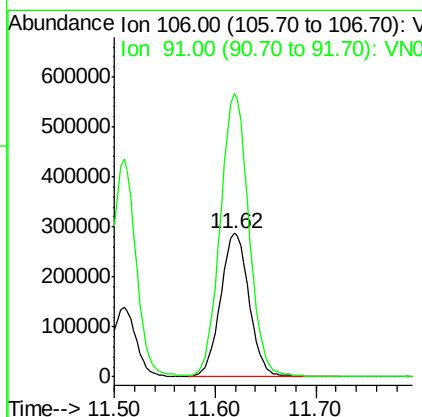
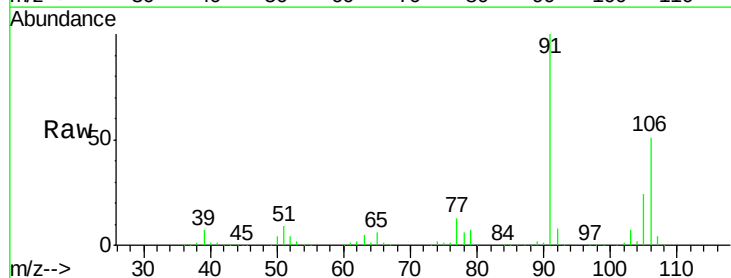
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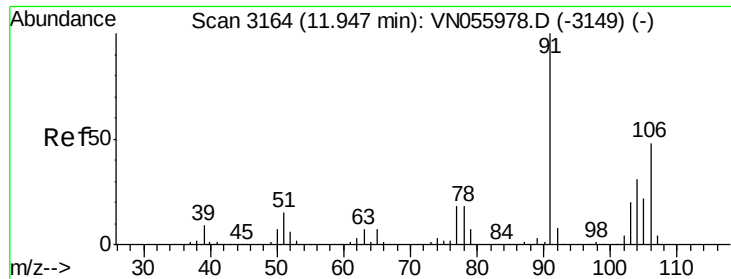
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#68
m/p-Xylenes
Concen: 102.540 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion: 106 Resp: 570705
Ion Ratio Lower Upper
106 100
91 196.7 159.3 238.9





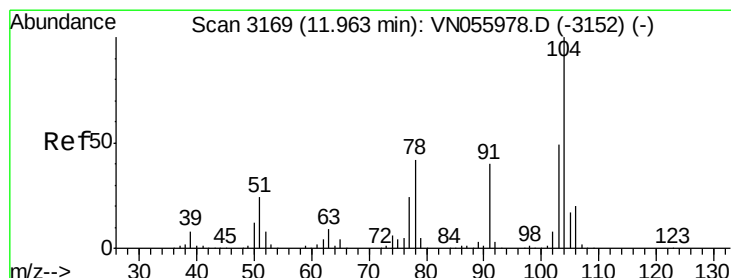
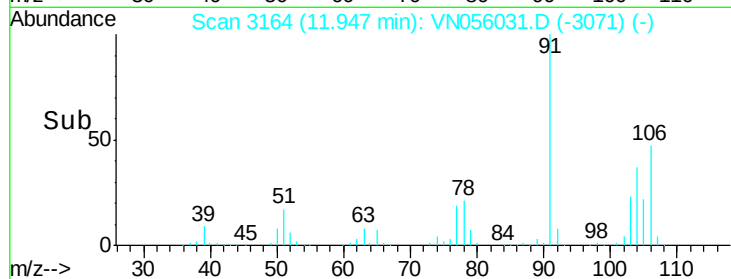
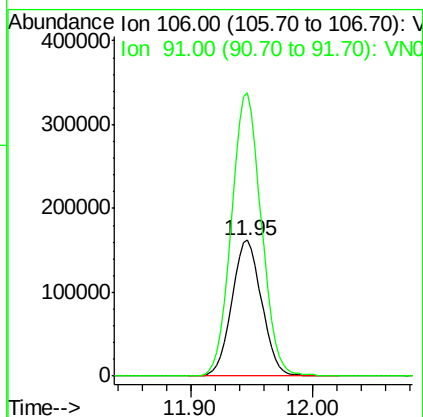
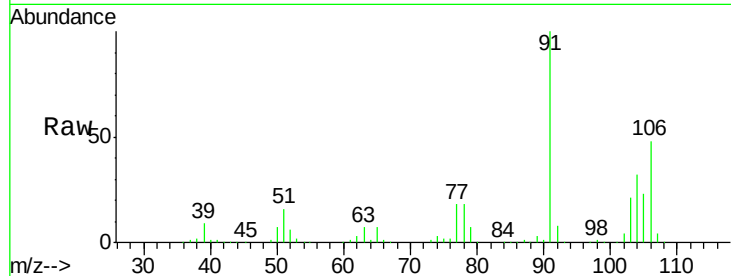
#69
o-Xylene
Concen: 50.510 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		276529		
91	208.4	104.7	314.1		

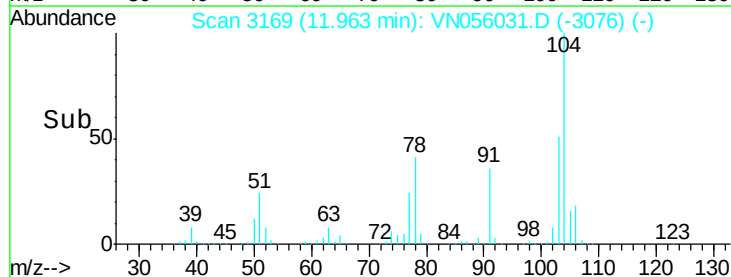
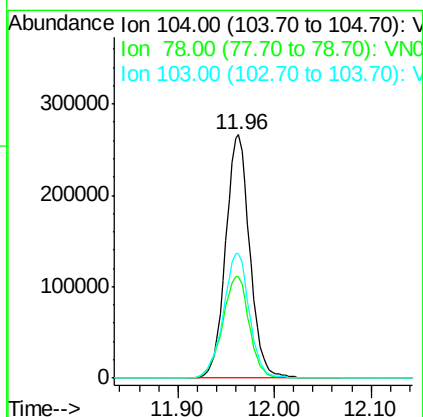
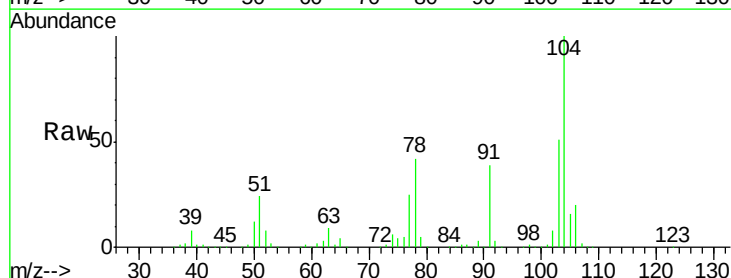
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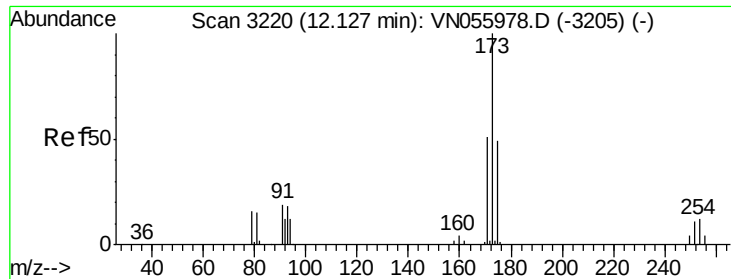
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#70
Styrene
Concen: 53.051 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		461465		
78	46.4	37.8	56.6		
103	55.2	44.2	66.2		





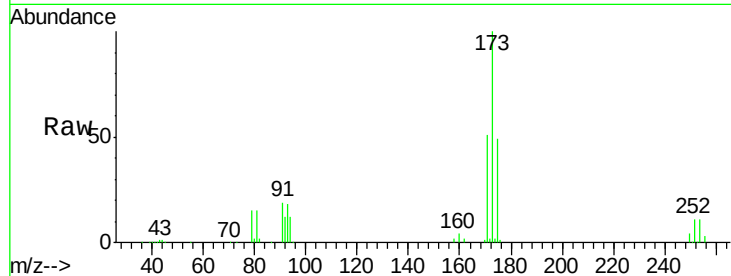
#71
Bromoform
Concen: 45.558 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

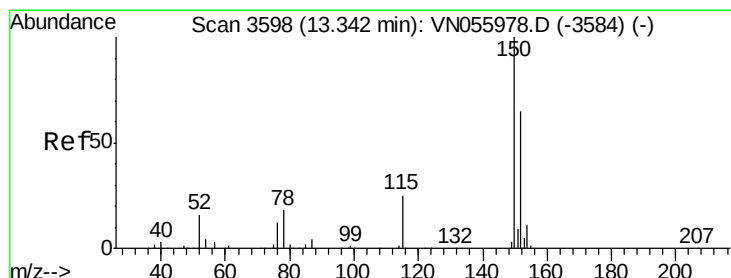
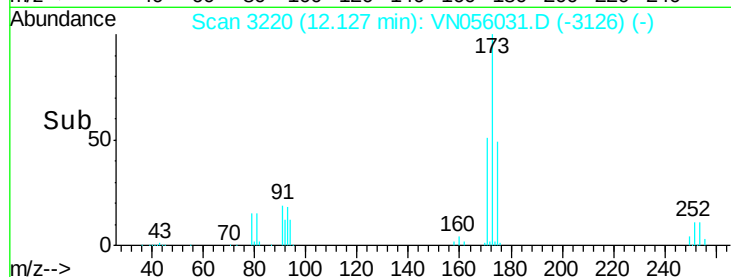
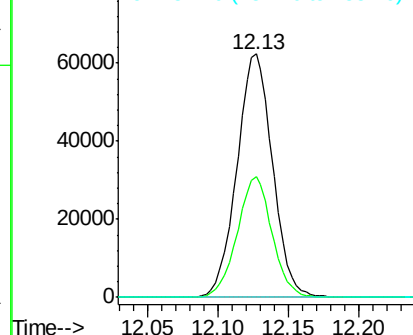
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.0	0.0	0.0

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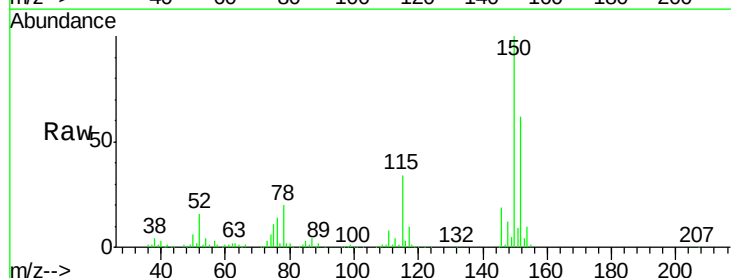


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

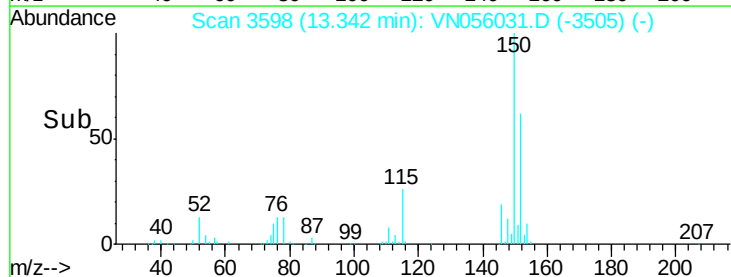
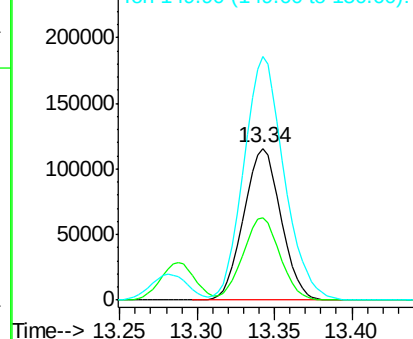


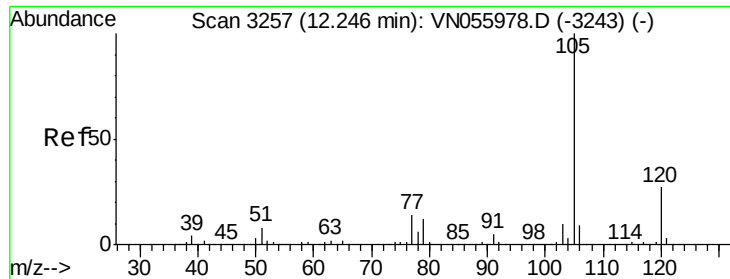
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.0	81.0
150	173.2	0.0	343.2



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





#73

Isopropylbenzene

Concen: 53.134 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 732897

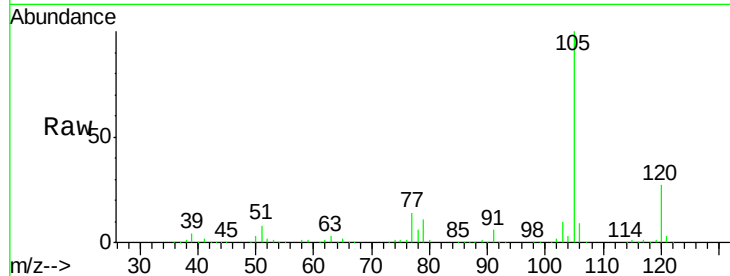
Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7

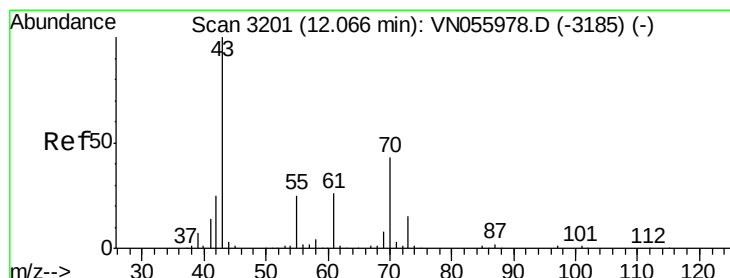
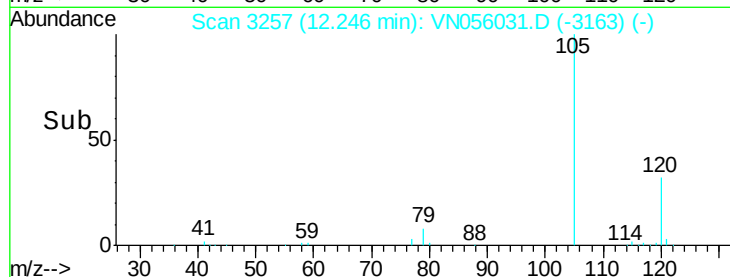
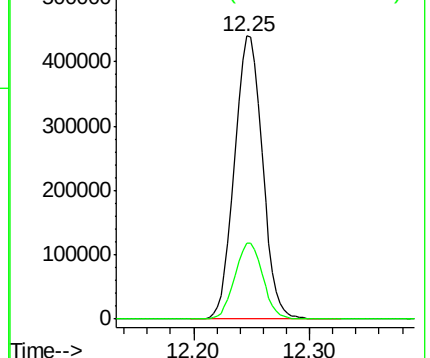
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.318 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Tgt Ion: 43 Resp: 249948

Ion Ratio Lower Upper

43 100

70 44.1 34.0 51.0

55 24.4 18.6 28.0

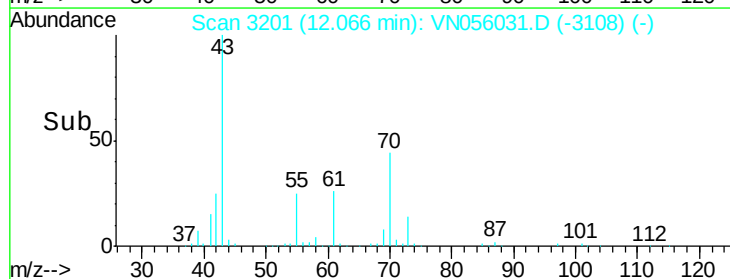
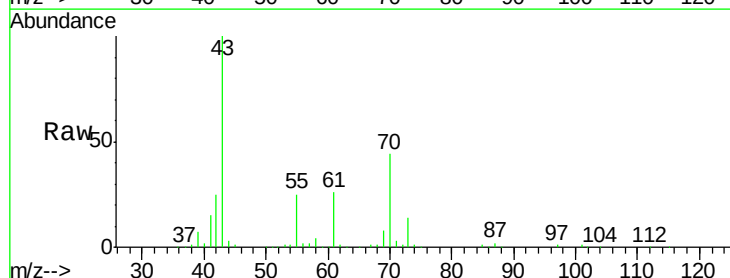
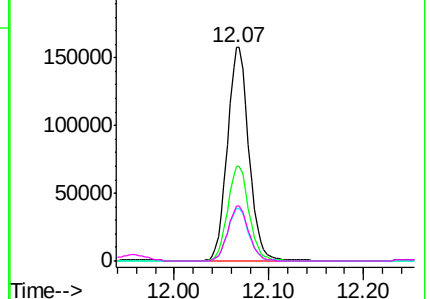
61 25.1 20.0 30.0

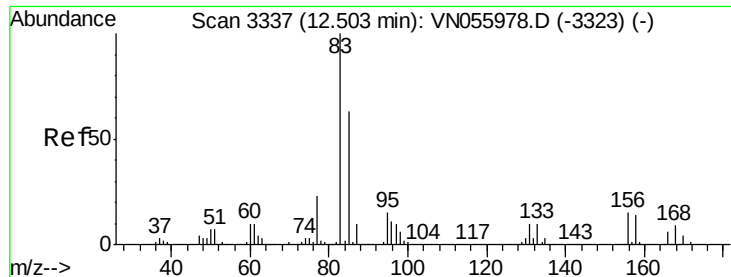
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.121 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

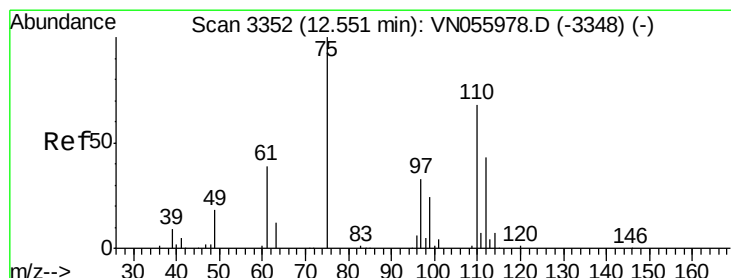
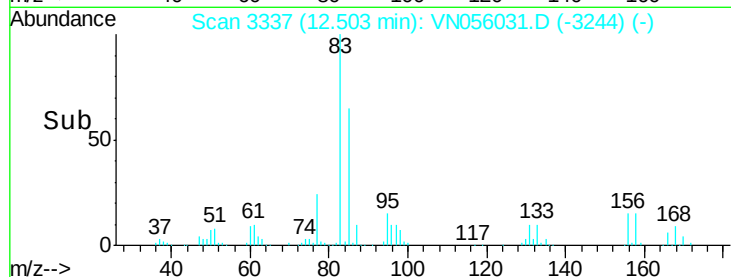
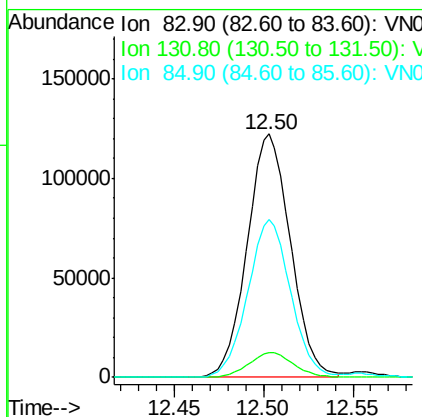
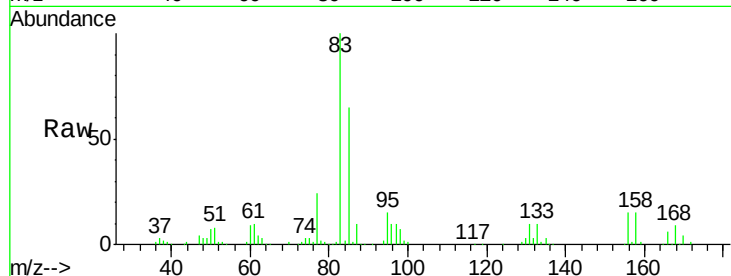
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	207776
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.1	32.4	97.0

Manual Integrations
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6/7/2019 9:36:50 AM



#76

1,2,3-Trichloropropane

Concen: 47.339 ug/l m

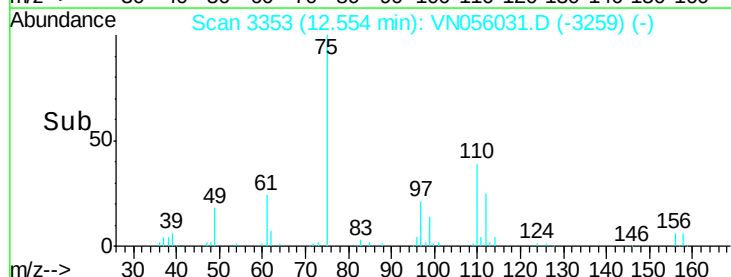
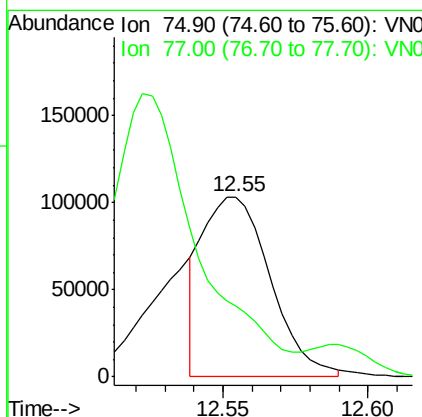
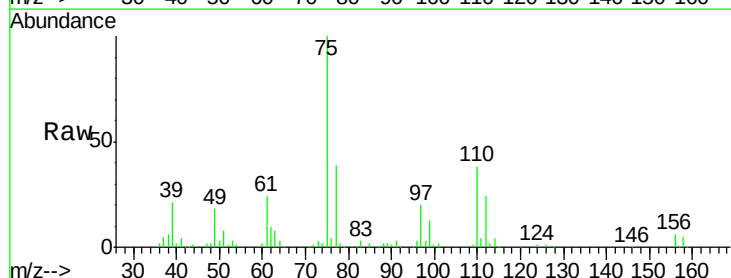
RT: 12.55 min Scan# 3353

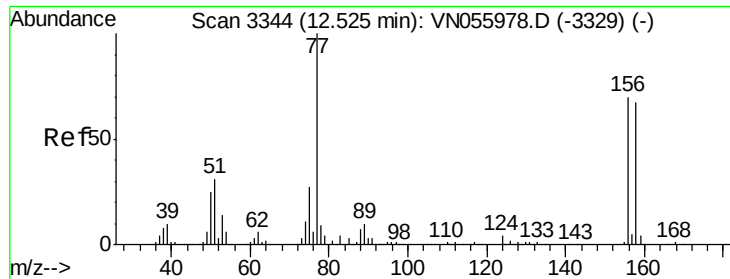
Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Tgt Ion:	75	Resp:	169040
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





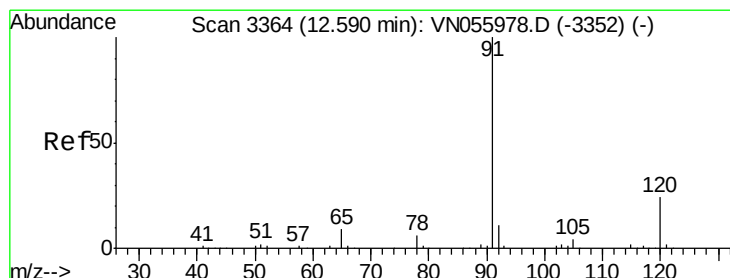
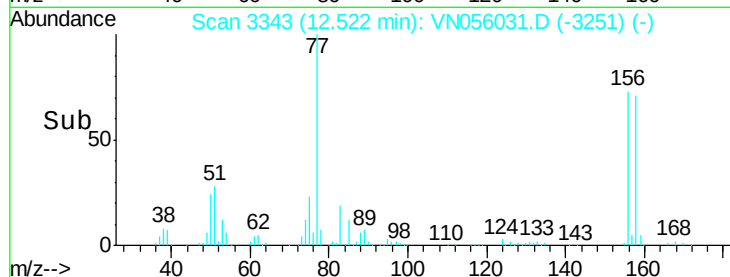
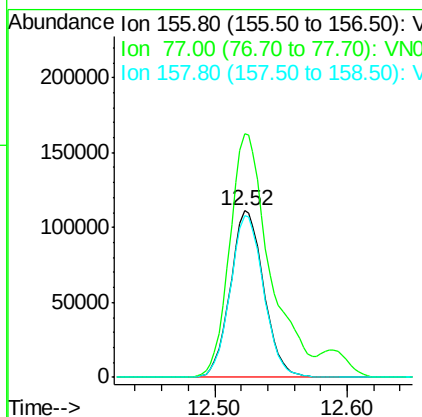
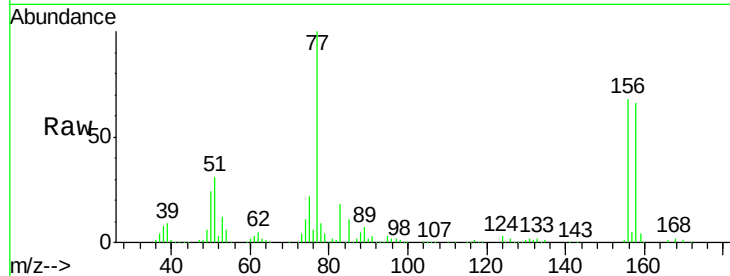
#77
Bromobenzene
Concen: 46.734 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.6	90.8	272.5
158	97.2	49.3	147.8

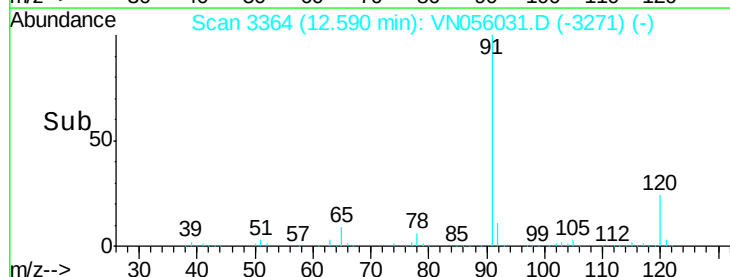
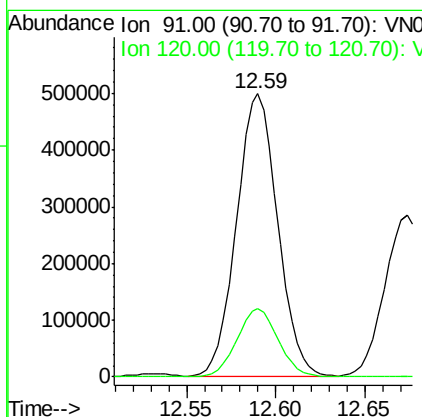
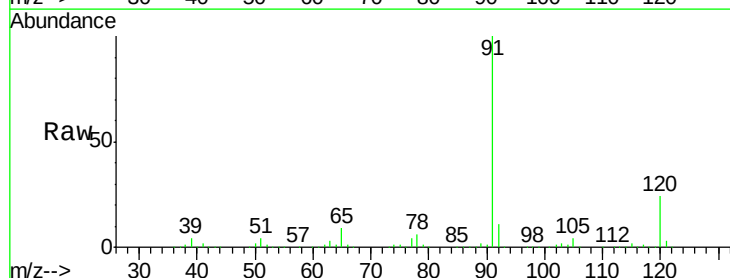
Manual Integrations
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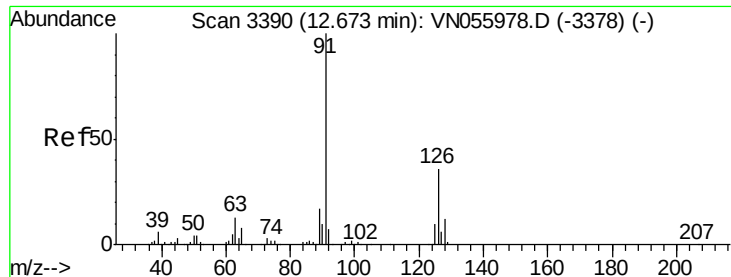
MMDadoda
6/7/2019 9:36:50 AM



#78
n-propylbenzene
Concen: 48.746 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.0	36.0





#79

2-Chlorotoluene

Concen: 52.311 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 475380

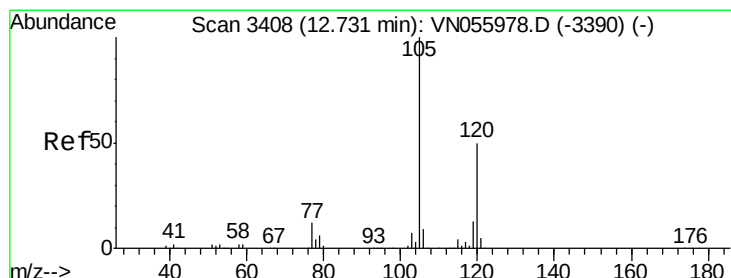
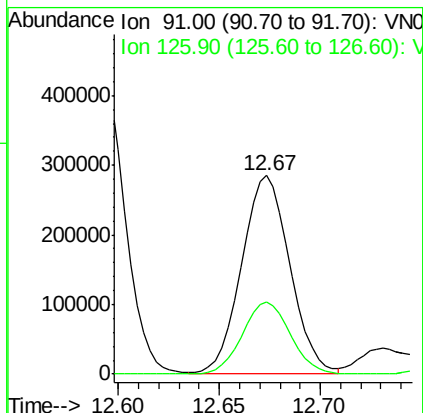
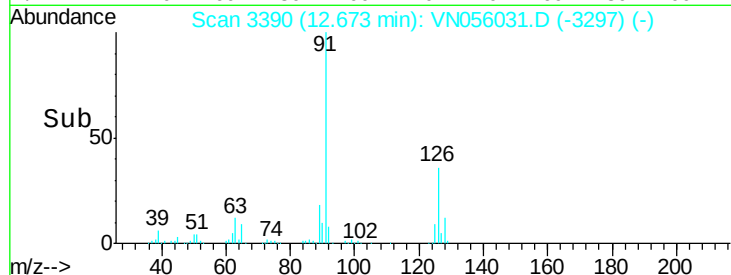
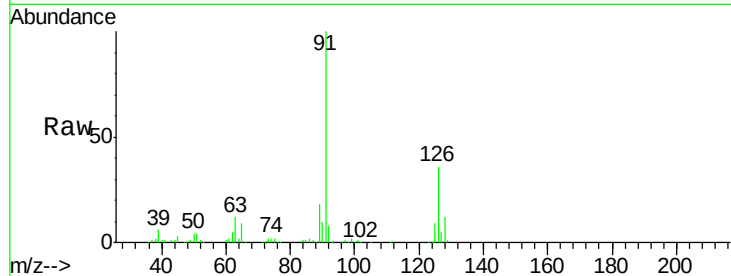
Ion Ratio Lower Upper

91 100

126 36.7 18.1 54.4

Manual Integrations
APPROVED

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6/7/2019 9:36:50 AM



#80

1,3,5-Trimethylbenzene

Concen: 47.262 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056031.D

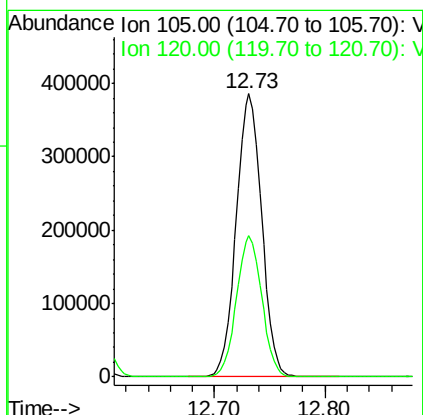
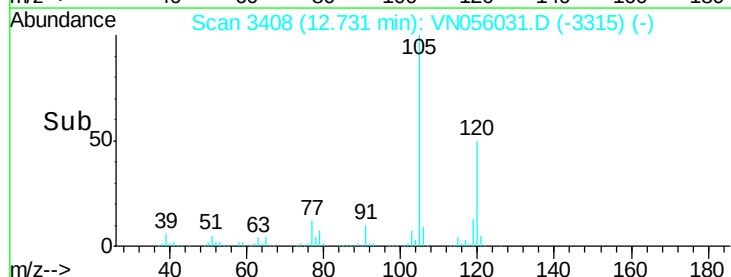
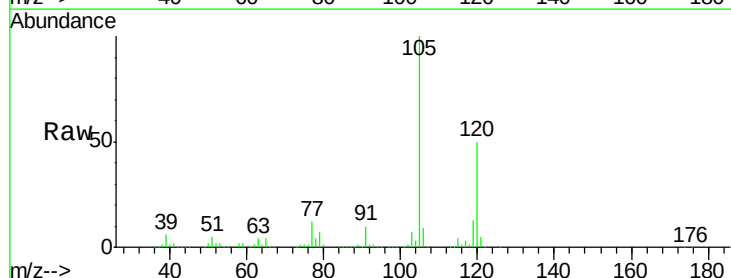
Acq: 6 Jun 2019 8:56

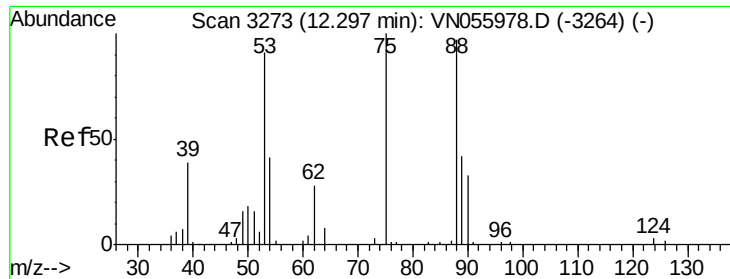
Tgt Ion: 105 Resp: 616676

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1





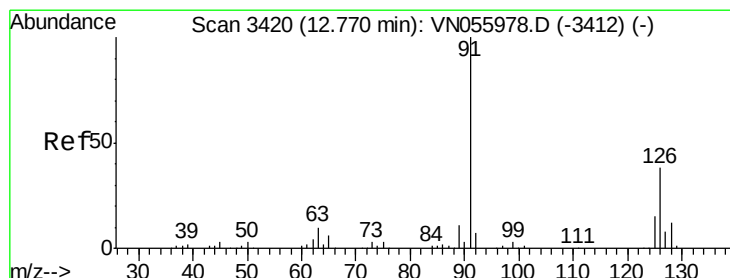
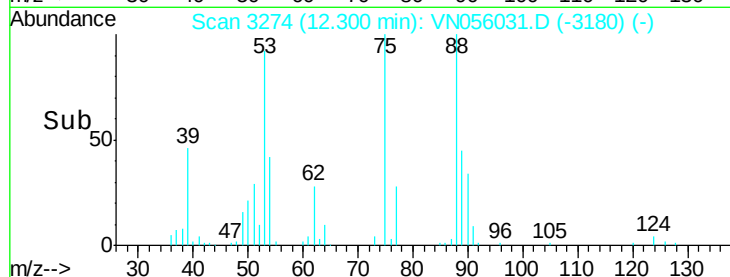
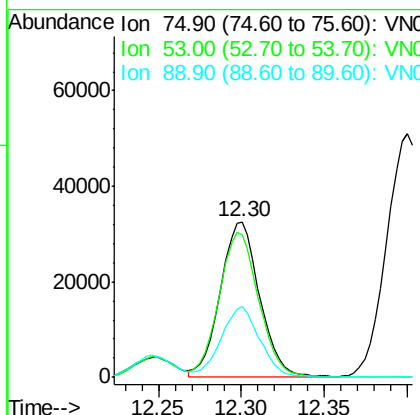
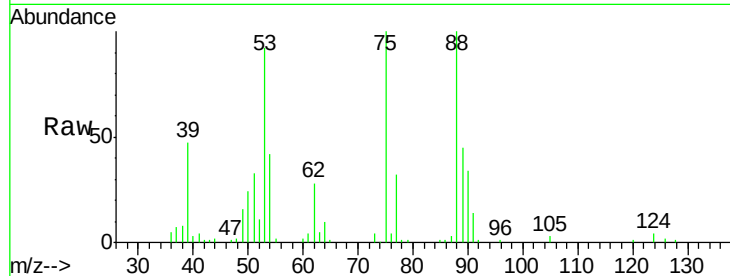
#81
trans-1,4-Dichloro-2-butene
Concen: 50.401 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	68.1	102.1
89	44.3	36.9	55.3

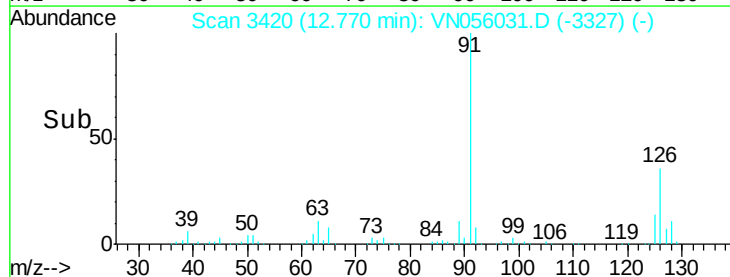
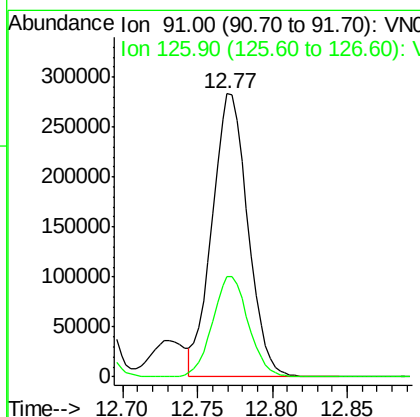
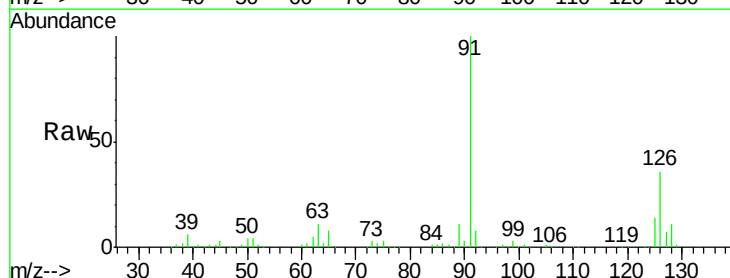
Manual Integrations
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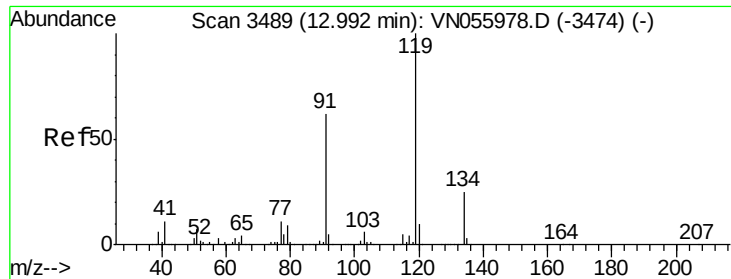
MMDadoda
6/7/2019 9:36:50 AM



#82
4-Chlorotoluene
Concen: 49.002 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.3





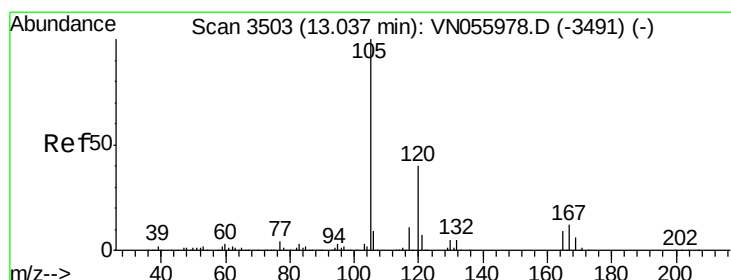
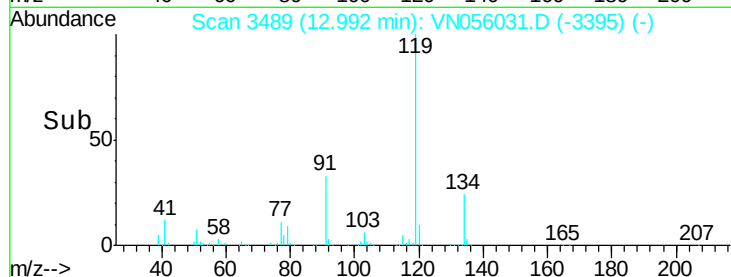
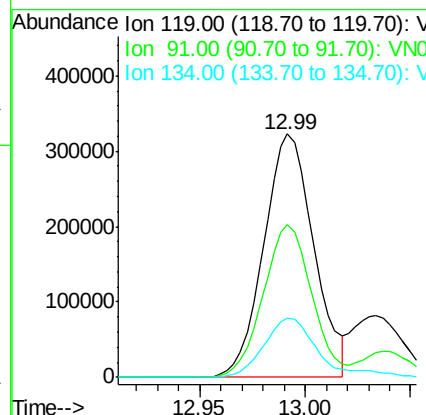
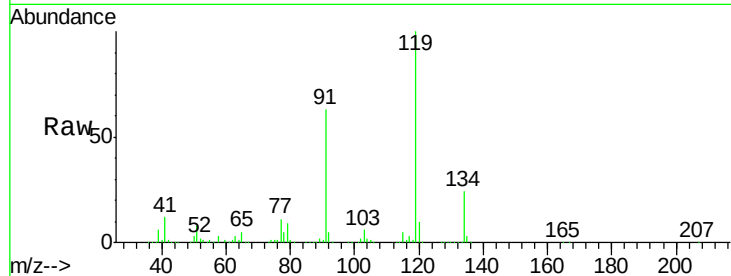
#83
 tert-Butylbenzene
 Concen: 52.716 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	532186		
91	61.3		30.9	92.8
134	26.5		13.3	39.8

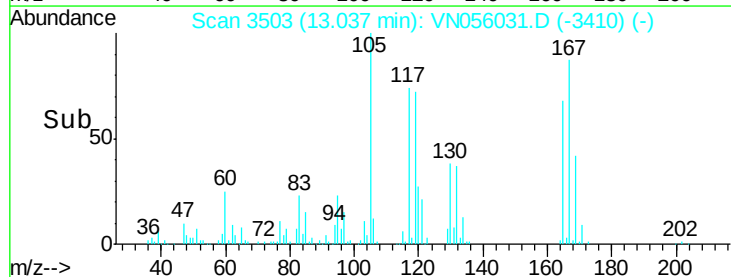
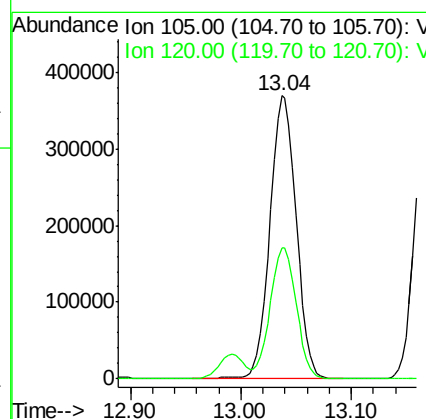
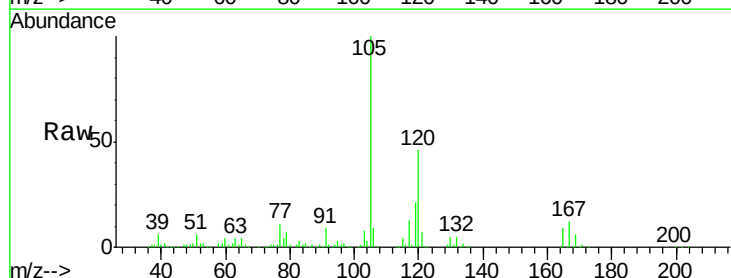
Manual Integrations
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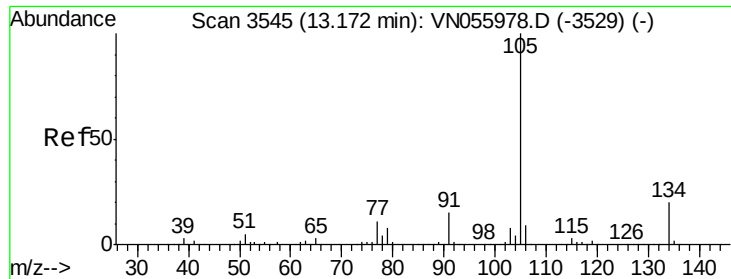
MMDadoda
 6/7/2019 9:36:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.201 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	608777		
120	46.0		23.0	69.0





#85

sec-Butylbenzene

Concen: 47.984 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 697645

Ion Ratio Lower Upper

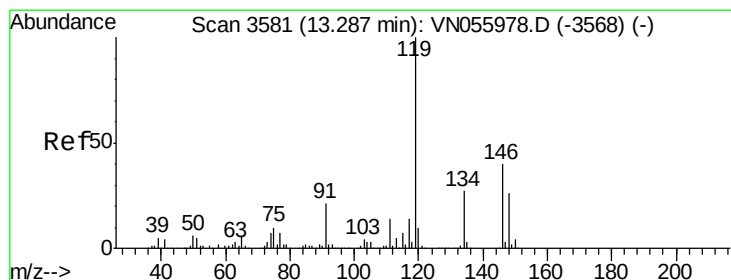
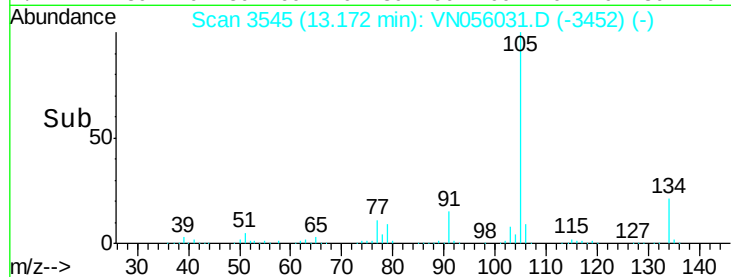
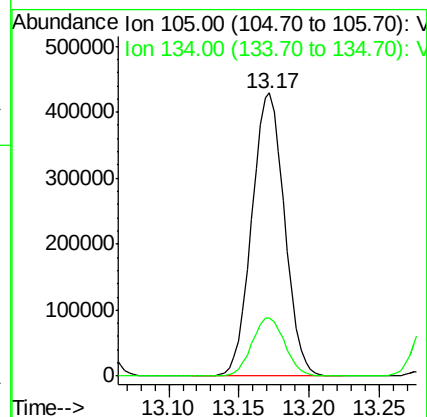
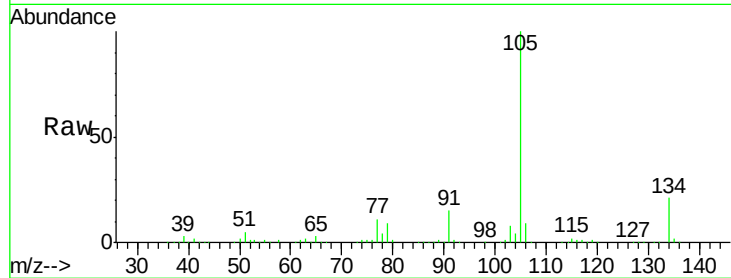
105 100

134 20.7 10.4 31.2

Manual Integrations
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6/7/2019 9:36:50 AM



#86

p-Isopropyltoluene

Concen: 49.722 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

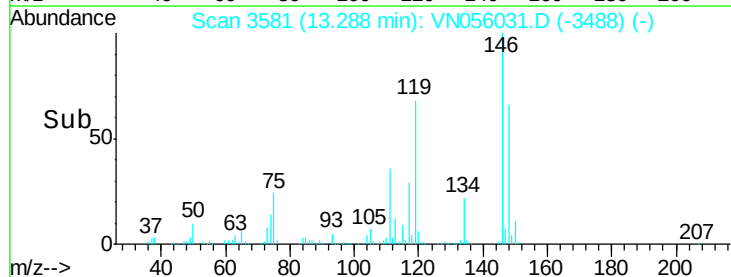
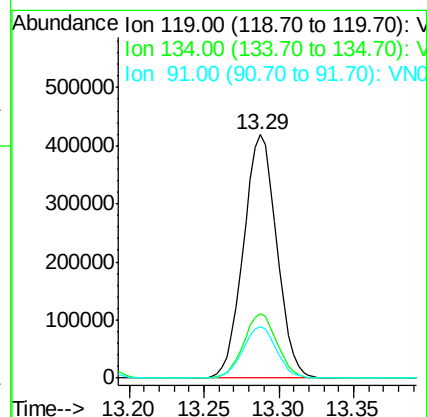
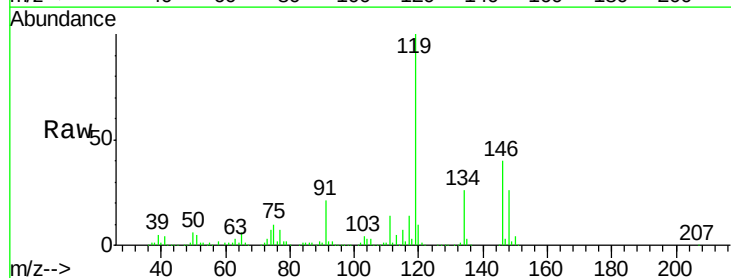
Tgt Ion:119 Resp: 646988

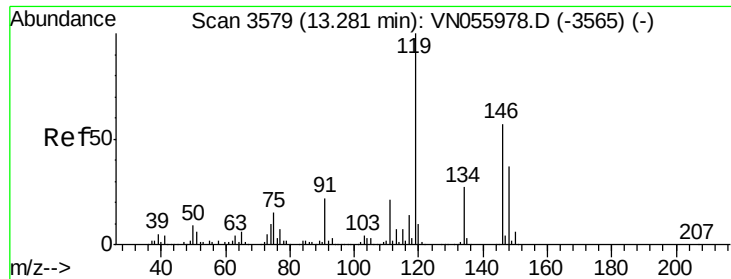
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 21.4 10.9 32.9





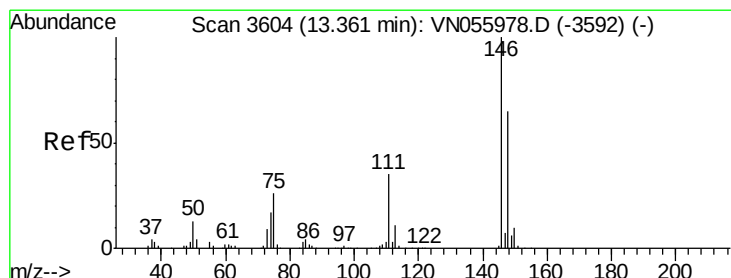
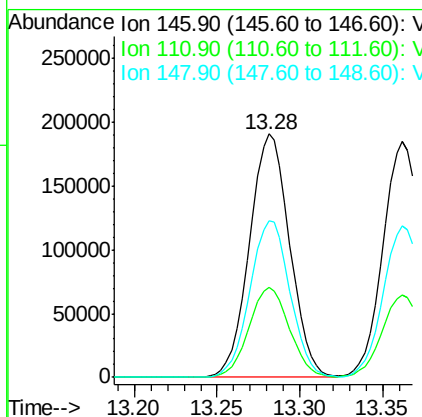
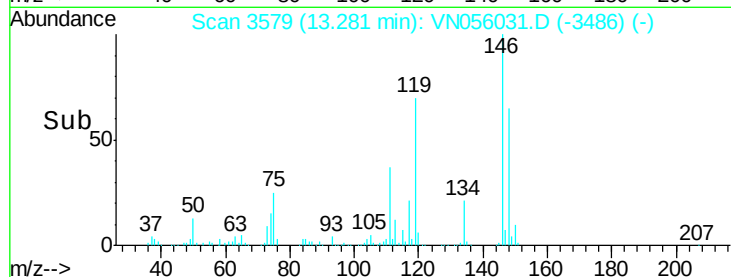
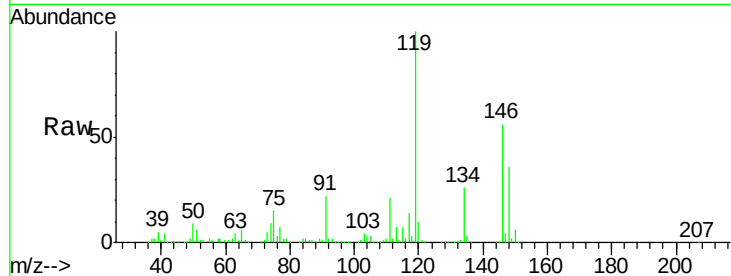
#87
 1,3-Dichlorobenzene
 Concen: 50.054 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	321868		
111	37.1	18.5	55.5	
148	64.1	32.0	96.2	

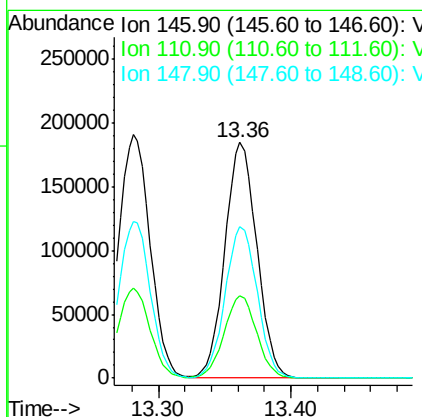
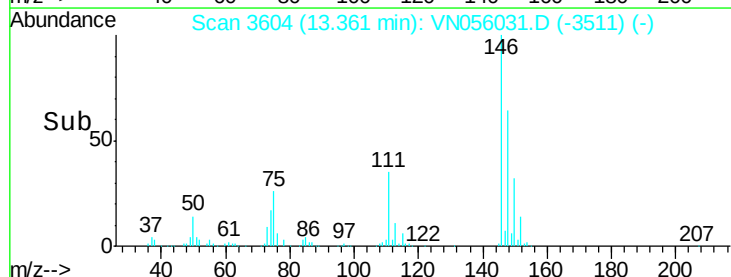
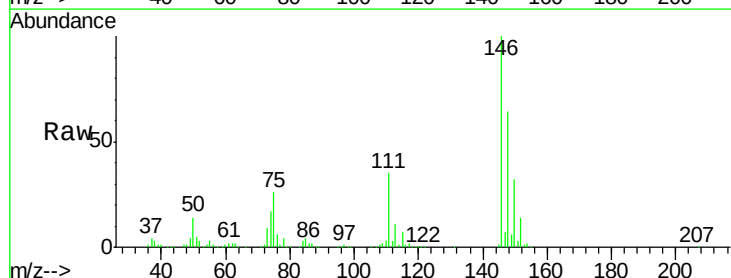
Manual Integrations
 APPROVED

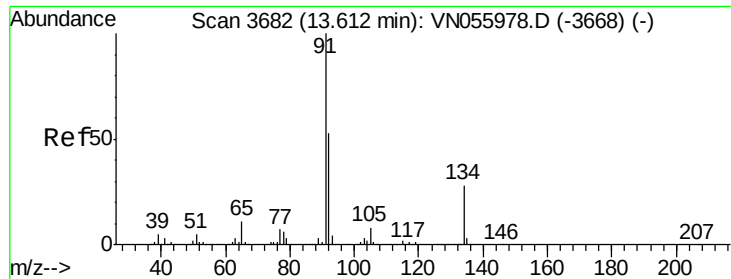
MMDadoda
 6/7/2019 9:36:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.035 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	309510		
111	35.8	18.1	54.4	
148	64.6	32.1	96.5	





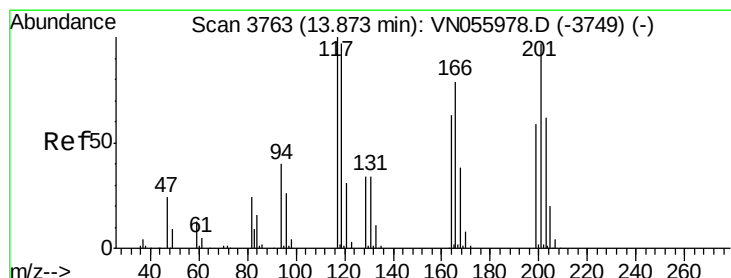
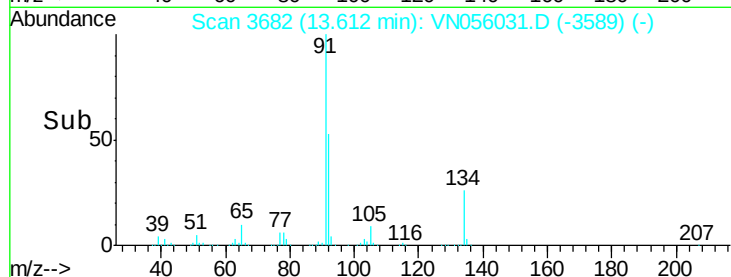
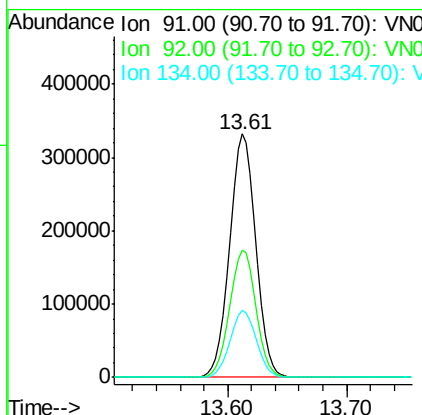
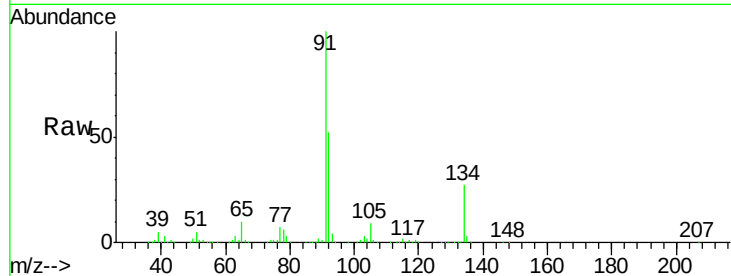
#89
n-Butylbenzene
Concen: 52.262 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.0
134	27.7	13.9	41.7

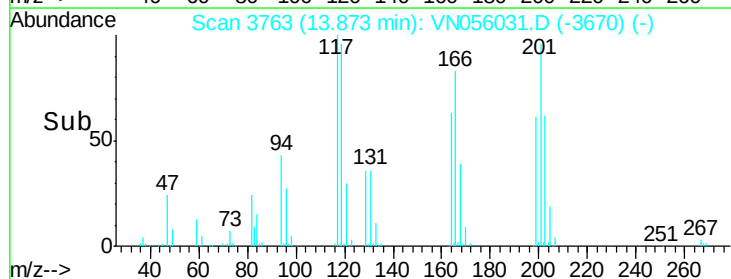
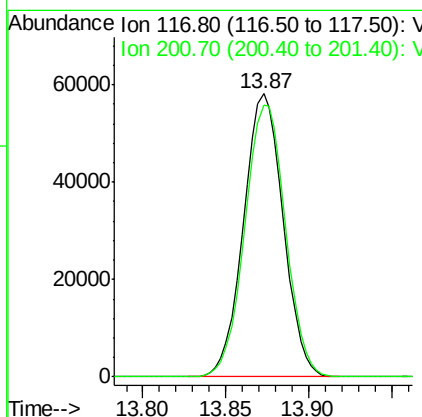
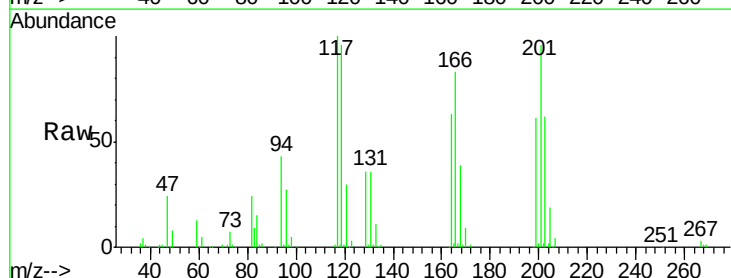
Manual Integrations
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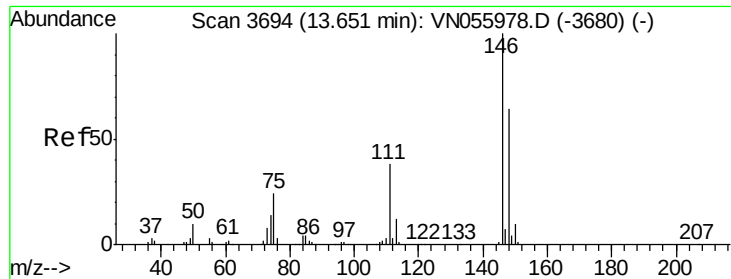
MMDadoda
6/7/2019 9:36:50 AM



#90
Hexachloroethane
Concen: 49.269 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056031.D
Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.4	50.0	150.0





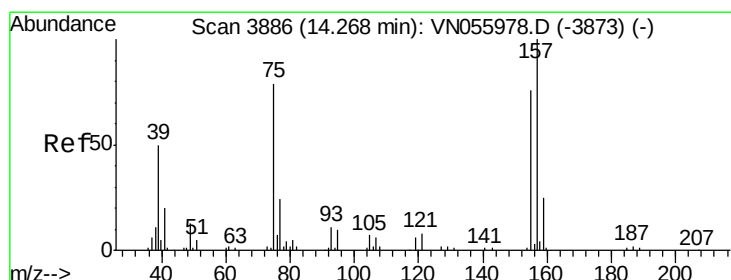
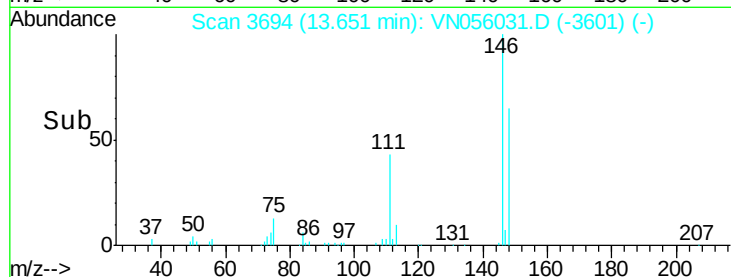
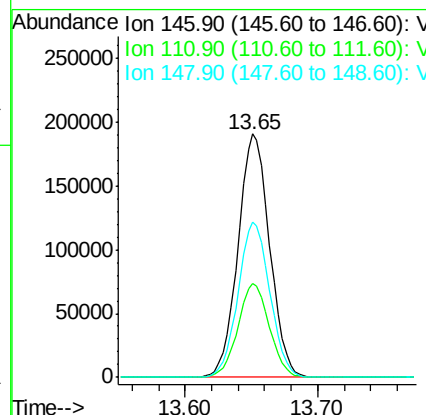
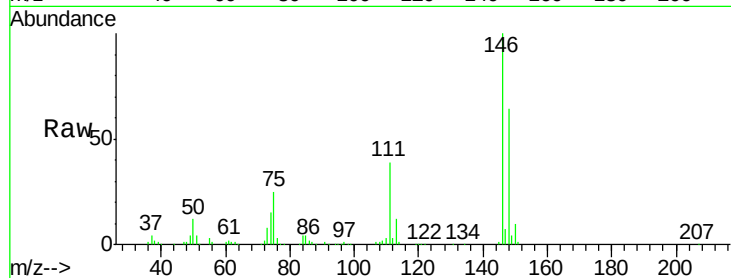
#91
 1,2-Dichlorobenzene
 Concen: 48.489 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	64.3	31.9	95.9

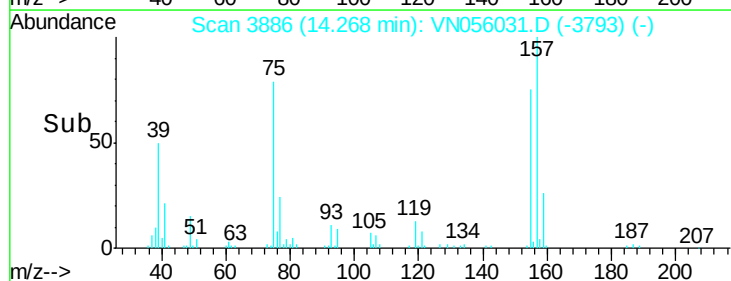
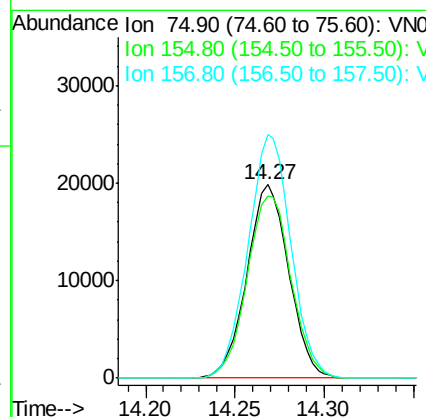
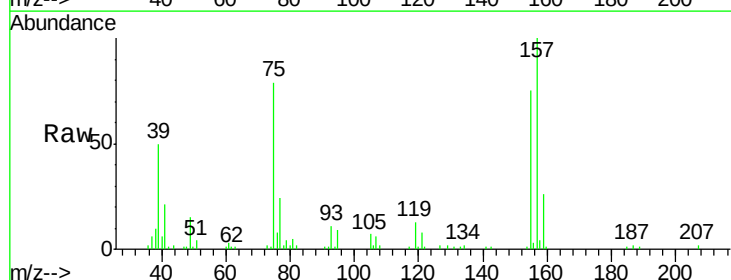
Manual Integrations
 APPROVED

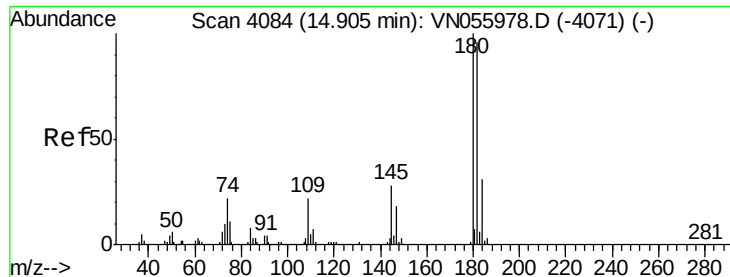
MMDadoda
 6/7/2019 9:36:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.595 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	50.0	150.1
157	128.5	64.8	194.3





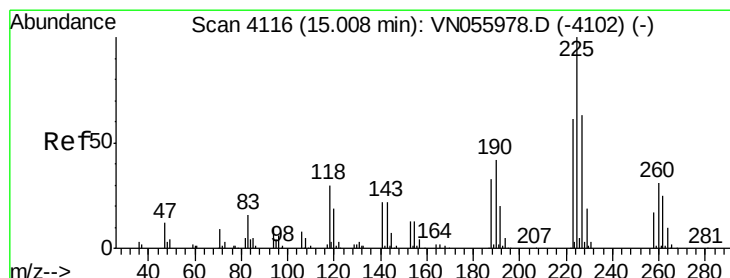
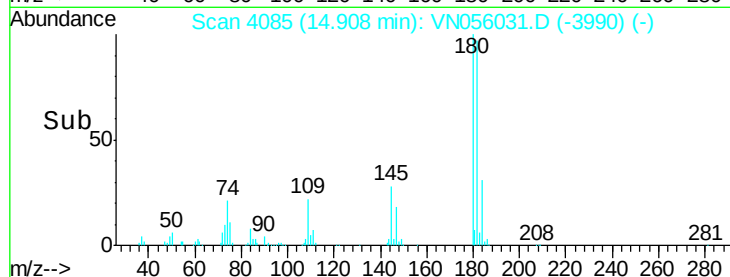
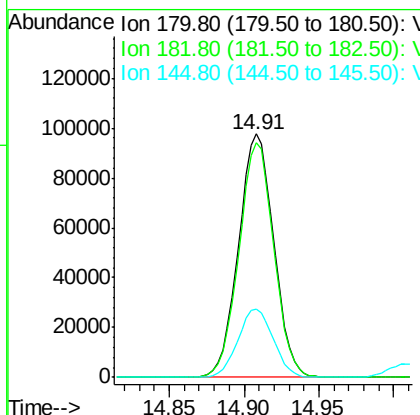
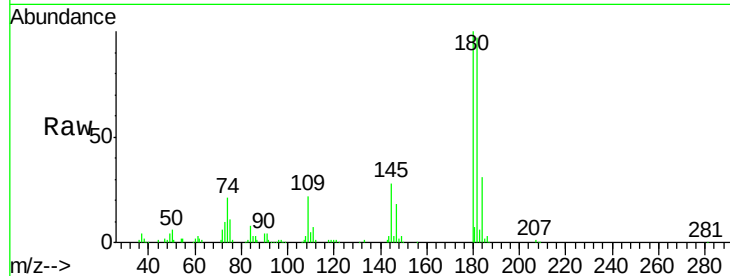
#93
 1,2,4-Trichlorobenzene
 Concen: 45.084 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159652		
182	95.4	48.3	144.9	
145	28.3	14.0	41.9	

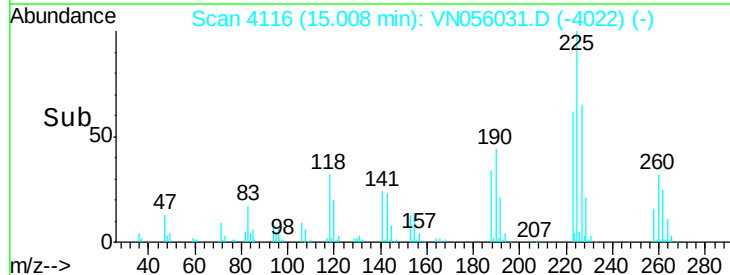
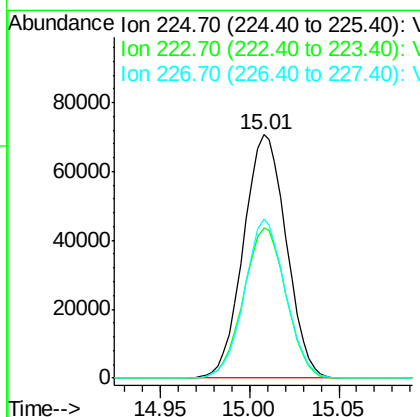
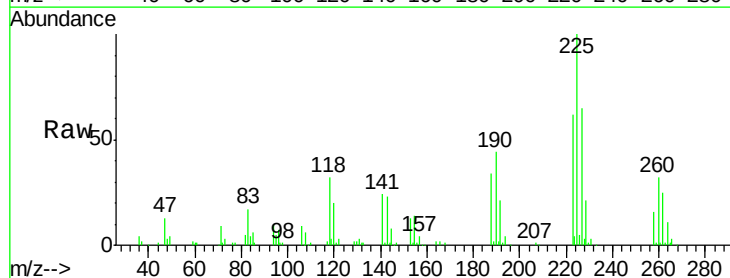
Manual Integrations
 APPROVED

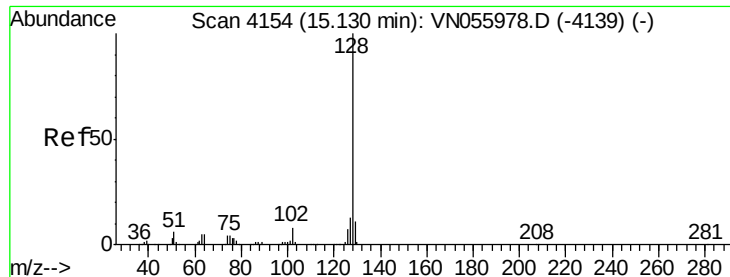
MMDadoda
 6/7/2019 9:36:50 AM



#94
 Hexachlorobutadiene
 Concen: 53.428 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056031.D
 Acq: 6 Jun 2019 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118651		
223	61.2	30.9	92.7	
227	62.5	31.6	94.7	





#95

Naphthalene

Concen: 44.664 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Instrument :

MSVOA_N

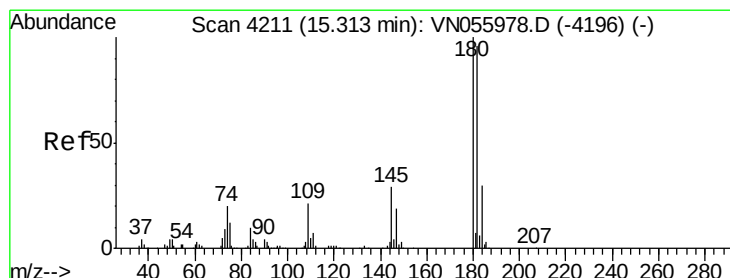
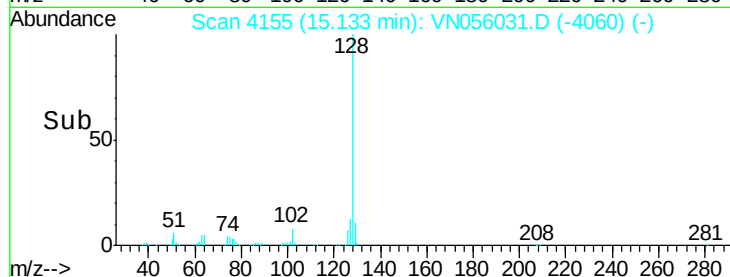
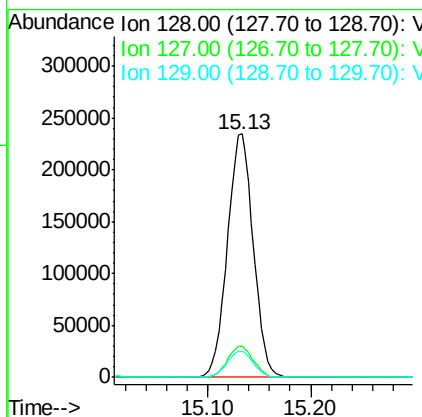
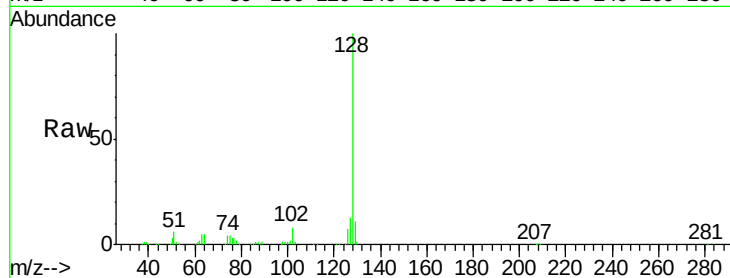
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	410442
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/7/2019 9:36:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.646 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056031.D

Acq: 6 Jun 2019 8:56

Tgt Ion:	180	Resp:	169284
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.9	143.7
145	29.7	14.9	44.7

