

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056156.D
 Acq On : 10 Jun 2019 9:25
 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
 6/11/2019 12:08:01 PM

Quant Time: Jun 11 03:15:37 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	304704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	428784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	394515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	149198	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	7.59	113	136816	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
50) Toluene-d8	10.09	98	508410	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	181159	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	164561	49.166	ug/l	100
3) Chloromethane	2.06	50	167076	50.583	ug/l	99
4) Vinyl Chloride	2.18	62	165461	49.940	ug/l	99
5) Bromomethane	2.53	94	125650	60.035	ug/l	99
6) Chloroethane	2.68	64	94520	49.204	ug/l	97
7) Trichlorofluoromethane	3.00	101	211585	50.024	ug/l	99
8) Diethyl Ether	3.40	74	81319	46.751	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	134990	52.539	ug/l	99
10) Methyl Iodide	3.94	142	194488	47.633	ug/l	99
11) Tert butyl alcohol	4.81	59	121428	230.635	ug/l	99
12) 1,1-Dichloroethene	3.72	96	128259	50.141	ug/l	94
13) Acrolein	3.60	56	42397	279.212	ug/l	100
14) Allyl chloride	4.31	41	206062	51.017	ug/l	100
15) Acrylonitrile	4.99	53	339979	265.269	ug/l	100
16) Acetone	3.82	43	368893	254.940	ug/l	100
17) Carbon Disulfide	4.04	76	300534	49.070	ug/l	99
18) Methyl Acetate	4.32	43	150609	53.024	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	407835	50.019	ug/l	99
20) Methylene Chloride	4.54	84	148081	49.673	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	136869	49.939	ug/l	97
22) Diisopropyl ether	5.95	45	417446	49.997	ug/l	98
23) Vinyl Acetate	5.89	43	1726899	262.637	ug/l	100
24) 1,1-Dichloroethane	5.84	63	244339	50.732	ug/l	99
25) 2-Butanone	6.84	43	481757	263.512	ug/l	99
26) 2,2-Dichloropropane	6.82	77	191940	51.072	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	161410	50.102	ug/l	98
28) Bromochloromethane	7.19	49	116936	51.341	ug/l	99
29) Tetrahydrofuran	7.21	42	289783	256.424	ug/l	100
30) Chloroform	7.37	83	248456	51.281	ug/l	100
31) Cyclohexane	7.65	56	222979	46.447	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	209694	51.829	ug/l	100
36) 1,1-Dichloropropene	7.79	75	184479	50.036	ug/l	99
37) Ethyl Acetate	6.93	43	175244	53.420	ug/l	99
38) Carbon Tetrachloride	7.77	117	181693	53.452	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	232704	50.666	ug/l	99
40) Benzene	8.04	78	574841	51.334	ug/l	100
41) Methacrylonitrile	7.17	41	91363	60.532	ug/l	97
42) 1,2-Dichloroethane	8.12	62	184765	51.295	ug/l	100
43) Isopropyl Acetate	8.17	43	273228	51.398	ug/l #	92
44) Trichloroethene	8.83	130	163575	50.835	ug/l	100
45) 1,2-Dichloropropane	9.12	63	152082	53.022	ug/l	99
46) Dibromomethane	9.21	93	99933	53.279	ug/l	99
47) Bromodichloromethane	9.40	83	189350	55.700	ug/l	99
48) Methyl methacrylate	9.20	41	140247	53.927	ug/l	97
49) 1,4-Dioxane	9.20	88	61129	1088.749	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	894734	269.148	ug/l	100
52) Toluene	10.15	92	363199	52.123	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	198814	49.889	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	225756	55.248	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	145601	52.750	ug/l	98
56) Ethyl methacrylate	10.43	69	215175	53.436	ug/l	99
57) 1,3-Dichloropropane	10.71	76	237292	52.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	371165	233.519	ug/l	99
59) 2-Hexanone	10.75	43	653321	271.156	ug/l	99
60) Dibromochloromethane	10.90	129	158087	51.835	ug/l	99
61) 1,2-Dibromoethane	11.00	107	150777	53.434	ug/l	98
64) Tetrachloroethene	10.63	164	166846	48.857	ug/l	98
65) Chlorobenzene	11.43	112	397388	50.612	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147409	54.373	ug/l	99
67) Ethyl Benzene	11.51	91	691884	50.677	ug/l	99
68) m/p-Xylenes	11.62	106	542189	103.957	ug/l	98
69) o-Xylene	11.95	106	263397	51.342	ug/l	98
70) Styrene	11.96	104	445193	54.616	ug/l	99
71) Bromoform	12.13	173	116612	51.166	ug/l #	100
73) Isopropylbenzene	12.25	105	696280	52.632	ug/l	99
74) N-amyl acetate	12.07	43	240429	48.481	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	203169	47.042	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	162764m	47.546	ug/l	
77) Bromobenzene	12.53	156	189139	47.485	ug/l	96
78) n-propylbenzene	12.59	91	761280	48.368	ug/l	100
79) 2-Chlorotoluene	12.67	91	462206	53.088	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	585619	46.816	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53587	52.130	ug/l	92
82) 4-Chlorotoluene	12.77	91	455198	49.434	ug/l	99
83) tert-Butylbenzene	12.99	119	505226	52.174	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	573459	48.344	ug/l	98
85) sec-Butylbenzene	13.17	105	668329	47.948	ug/l	100
86) p-Isopropyltoluene	13.29	119	612659	49.113	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	310560	50.377	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	300358	50.648	ug/l	99
89) n-Butylbenzene	13.61	91	473963	51.290	ug/l	100
90) Hexachloroethane	13.87	117	97969	52.076	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	304478	48.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32989	53.403	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	155951	45.856	ug/l	99
94) Hexachlorobutadiene	15.01	225	118233	55.620	ug/l	98
95) Naphthalene	15.13	128	385345	43.820	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	166028	47.650	ug/l	100

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

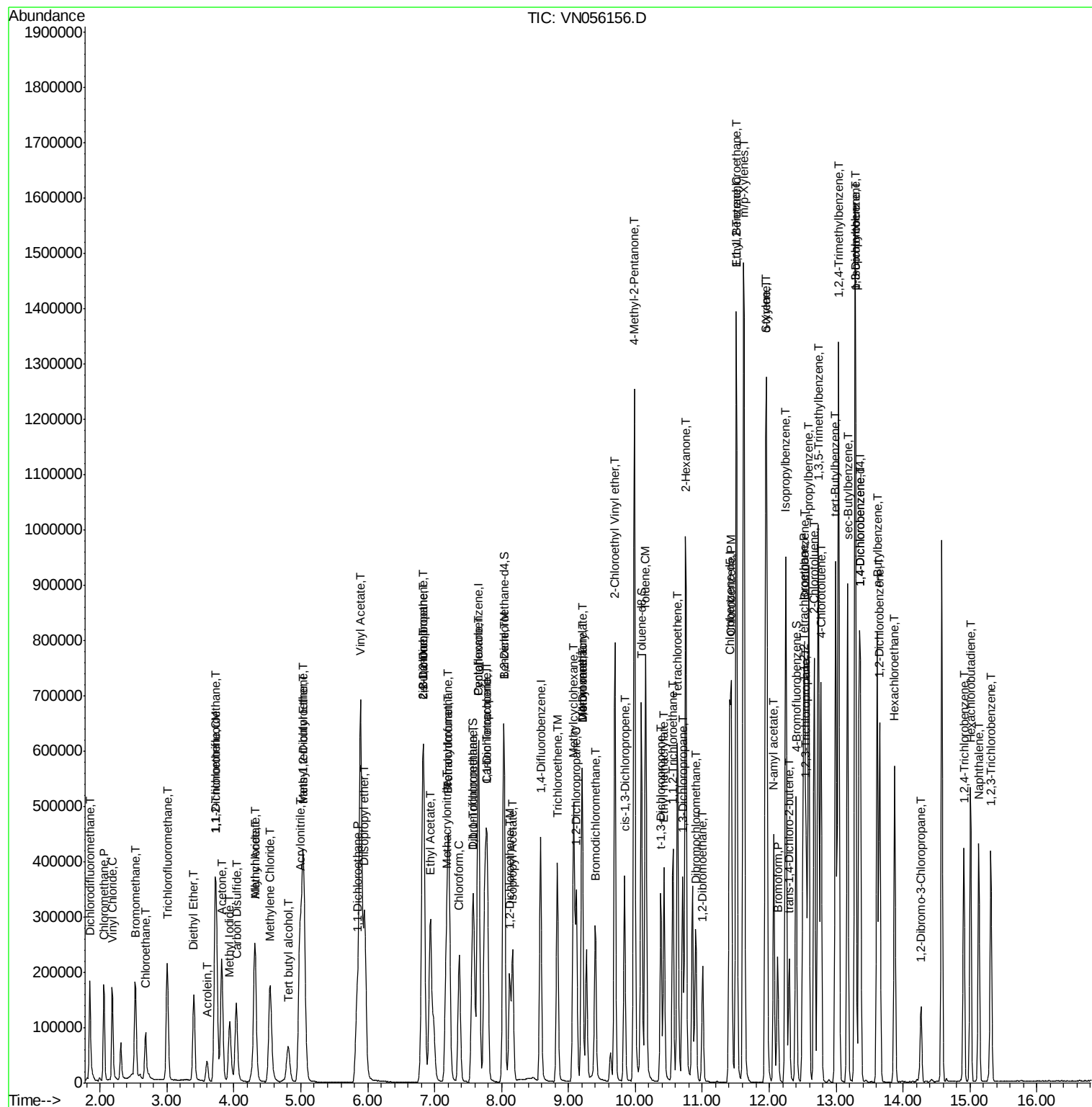
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Data File : VN056156.D
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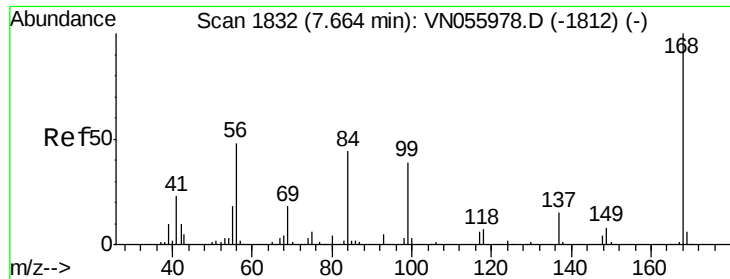
Instrument :
MSVOA_N
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 304704

Ion Ratio Lower Upper

168 100

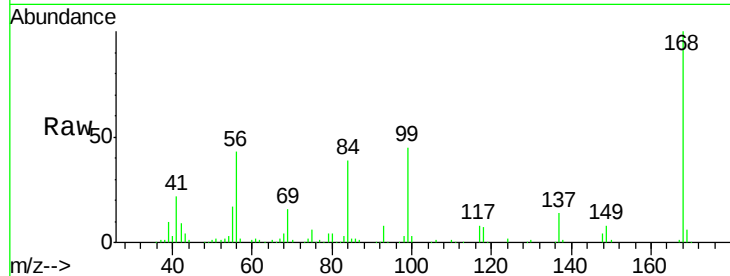
99 44.5 37.2 55.8

Manual Integrations

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6/11/2019 12:08:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

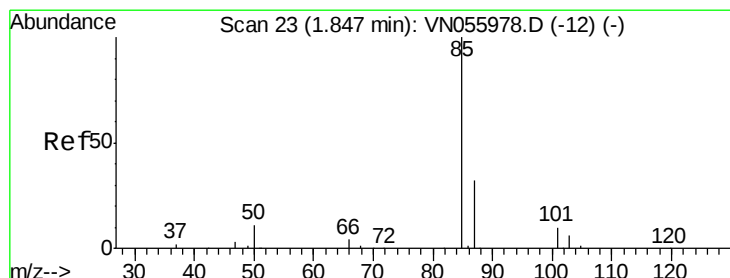
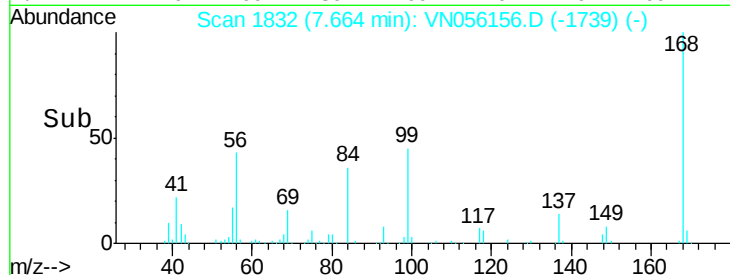
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.166 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056156.D

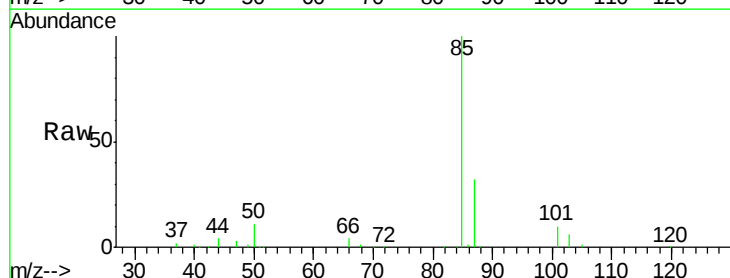
Acq: 10 Jun 2019 9:25

Tgt Ion: 85 Resp: 164561

Ion Ratio Lower Upper

85 100

87 32.0 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

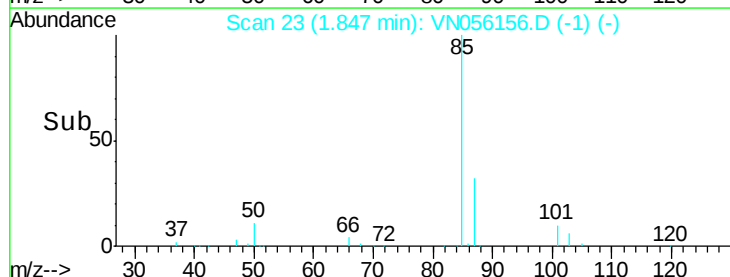
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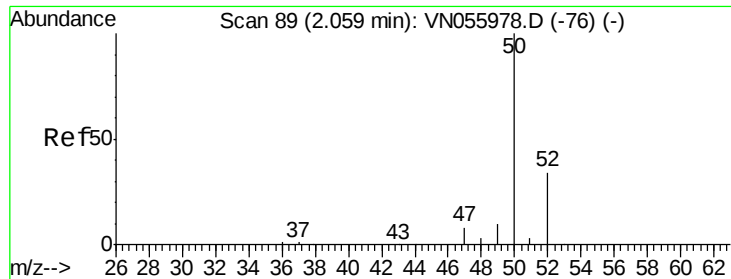
40000

20000

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Time-->





#3

Chloromethane

Concen: 50.583 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 167076

Ion Ratio Lower Upper

50 100

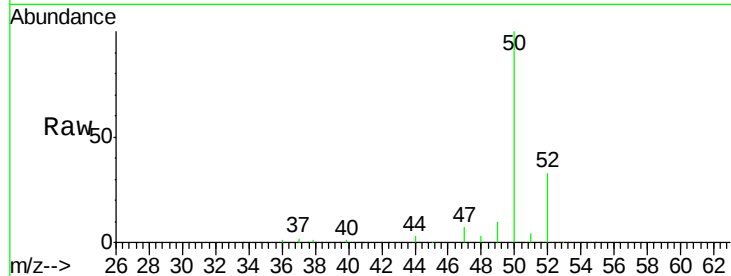
52 32.9 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

120000

100000

80000

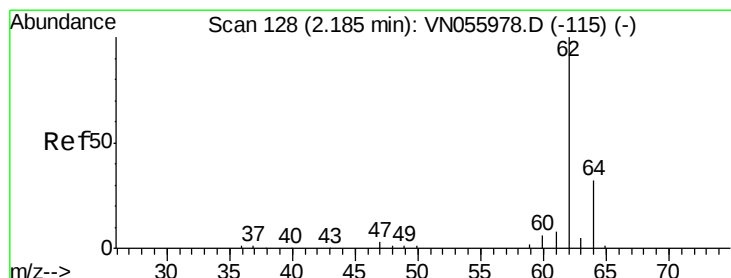
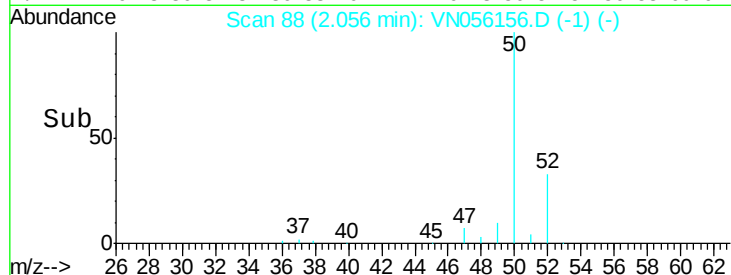
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.940 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056156.D

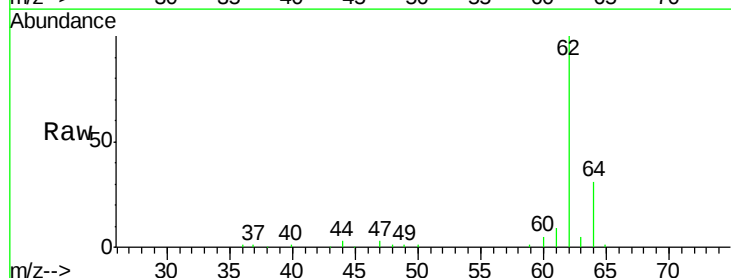
Acq: 10 Jun 2019 9:25

Tgt Ion: 62 Resp: 165461

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

120000

100000

80000

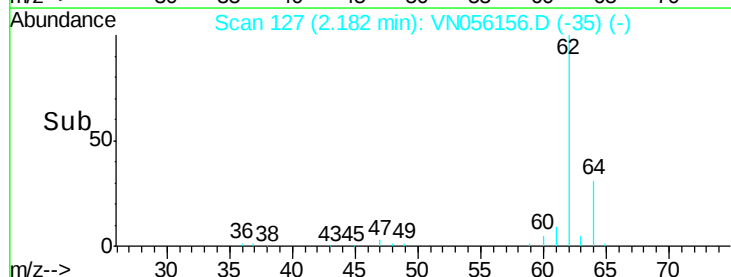
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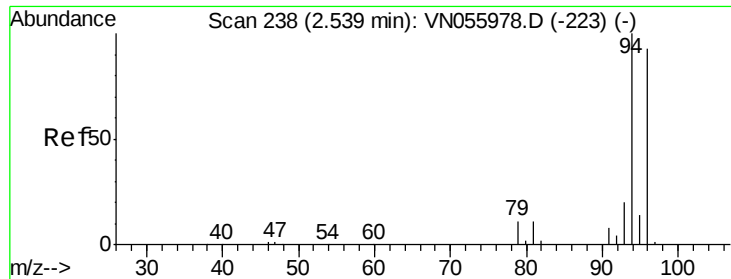
40000

20000

0

Time-->





#5

Bromomethane

Concen: 60.035 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 125650

Ion Ratio Lower Upper

94 100

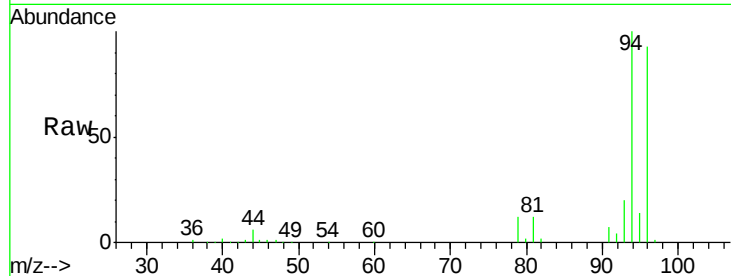
96 93.3 75.5 113.3

Manual Integrations

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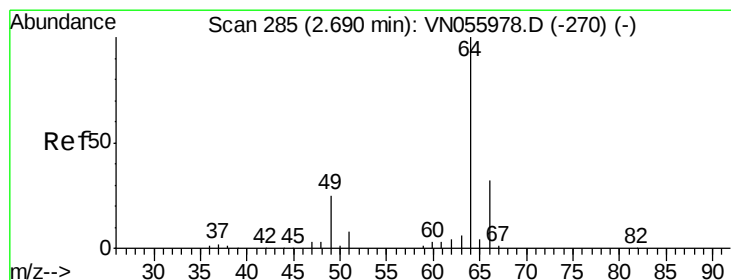
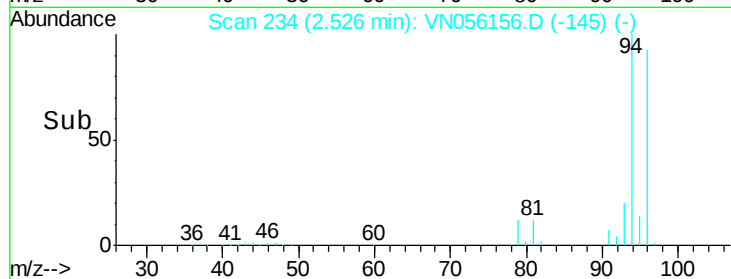
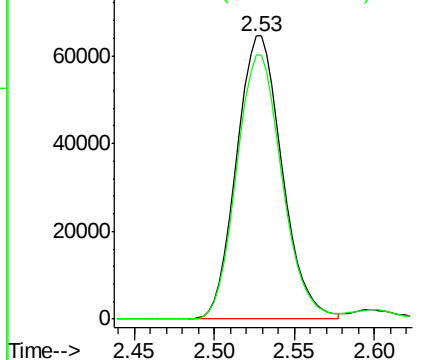
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.204 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056156.D

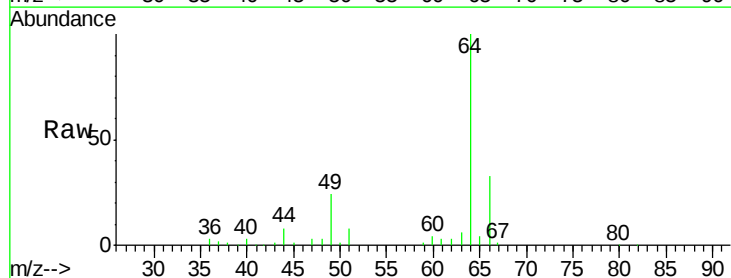
Acq: 10 Jun 2019 9:25

Tgt Ion: 64 Resp: 94520

Ion Ratio Lower Upper

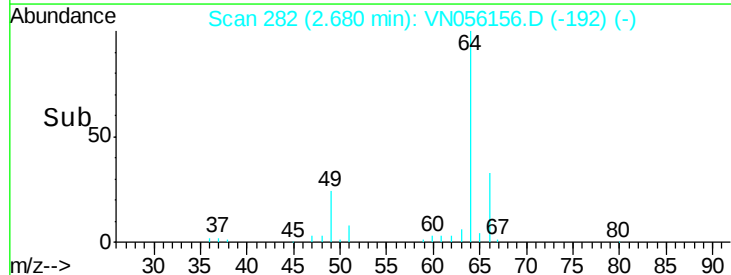
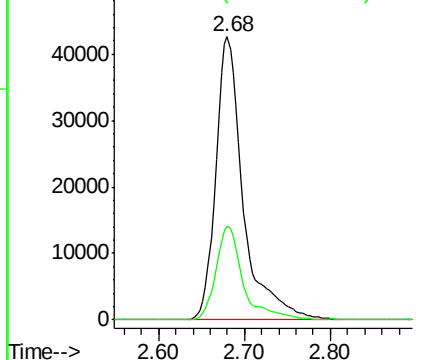
64 100

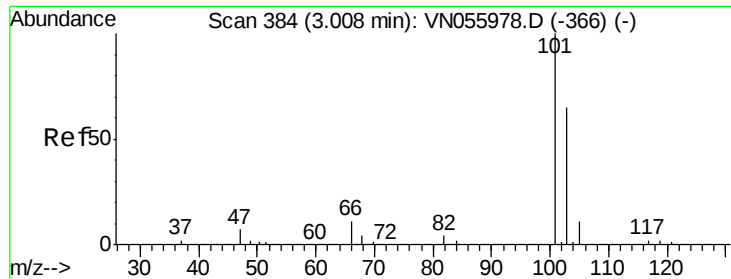
66 33.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

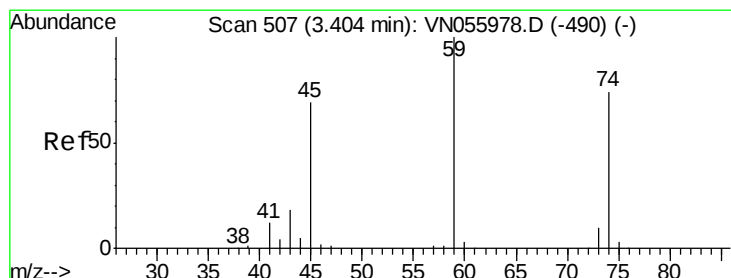
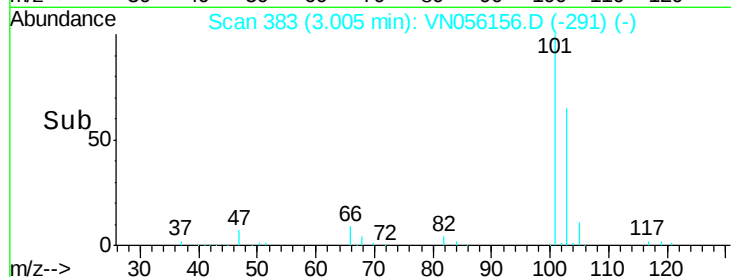
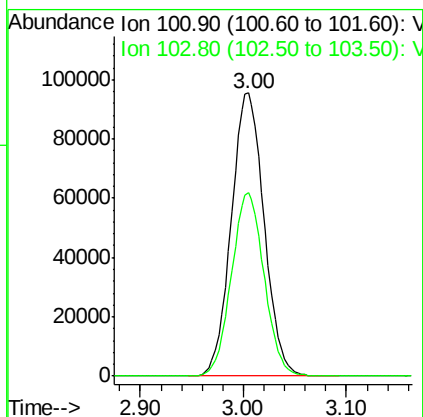
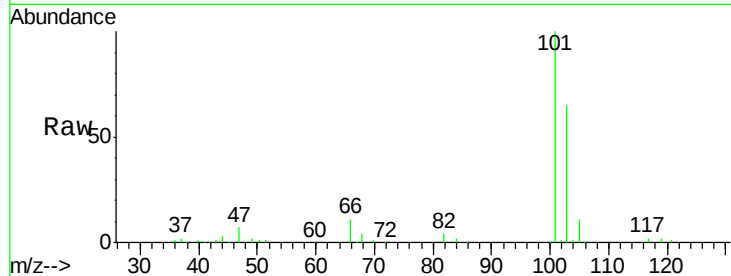
Trichlorofluoromethane
Concen: 50.024 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 211585
Ion Ratio Lower Upper
101 100
103 64.7 51.2 76.8

Manual Integrations
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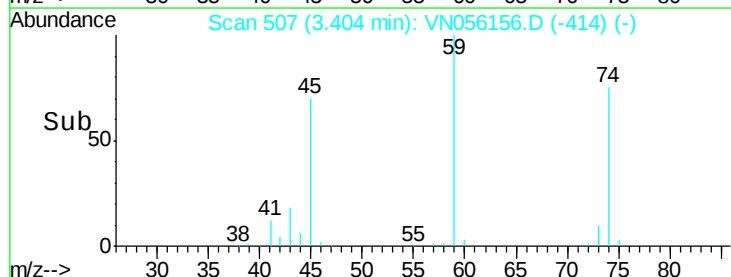
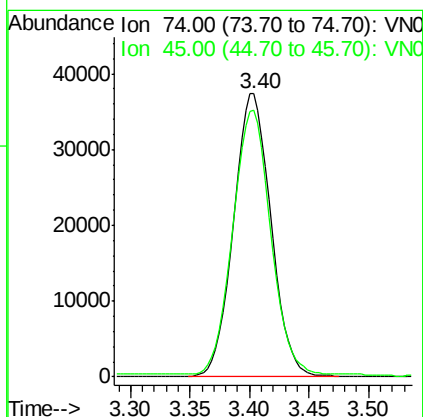
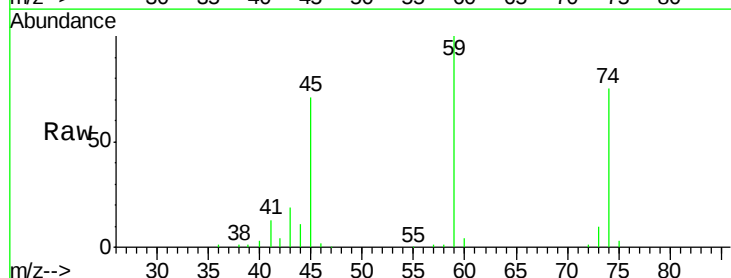
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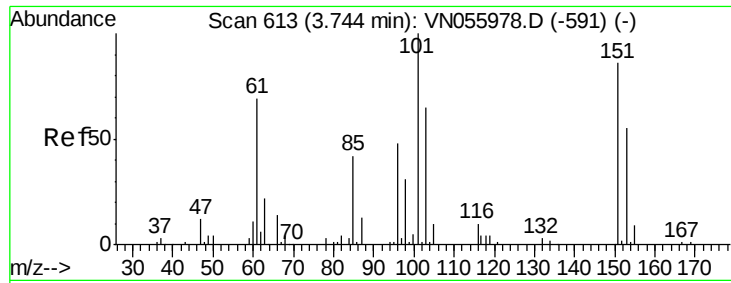


#8

Diethyl Ether
Concen: 46.751 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 74 Resp: 81319
Ion Ratio Lower Upper
74 100
45 94.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.539 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

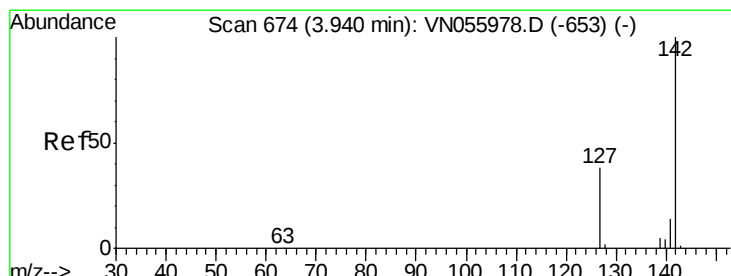
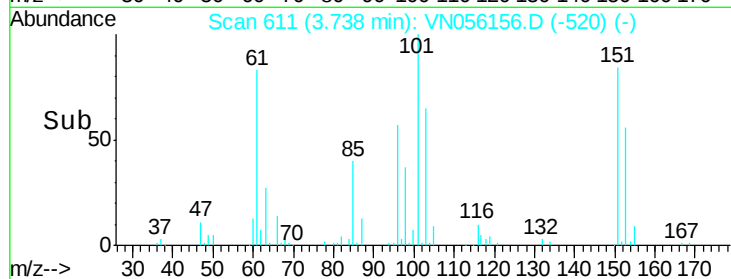
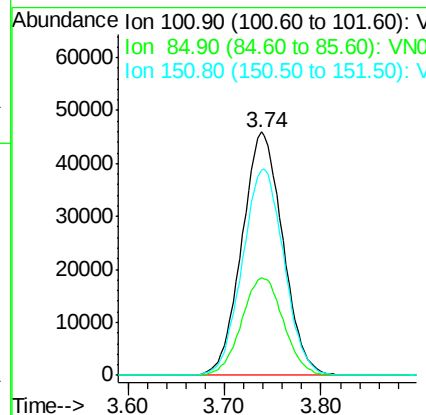
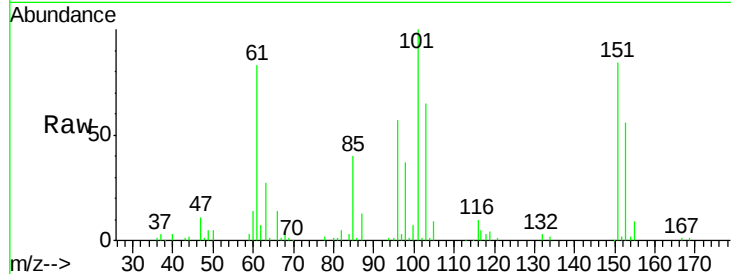
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	134990
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.4	50.2
151	86.3	69.4	104.2

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#10

Methyl Iodide

Concen: 47.633 ug/l

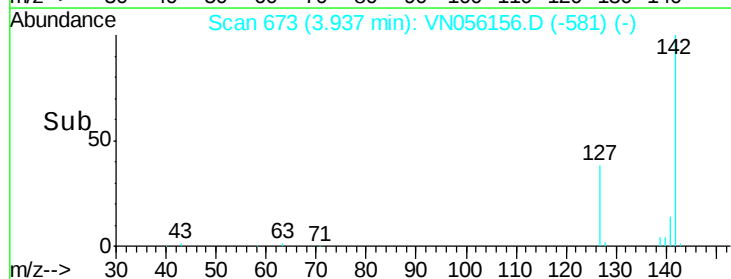
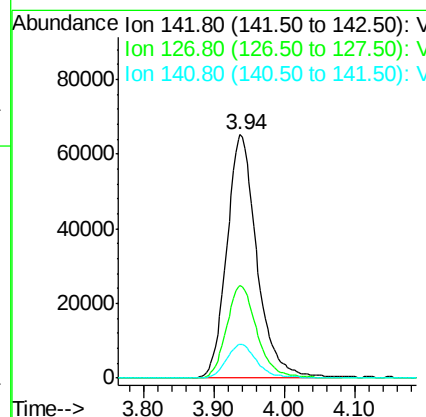
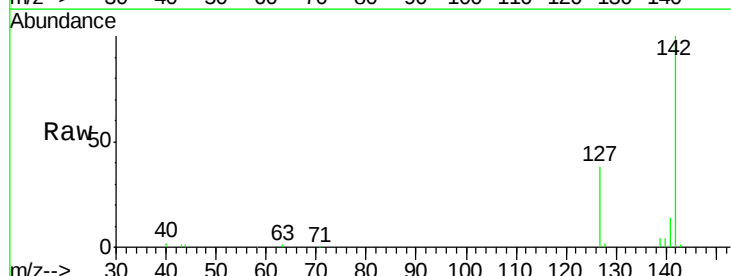
RT: 3.94 min Scan# 673

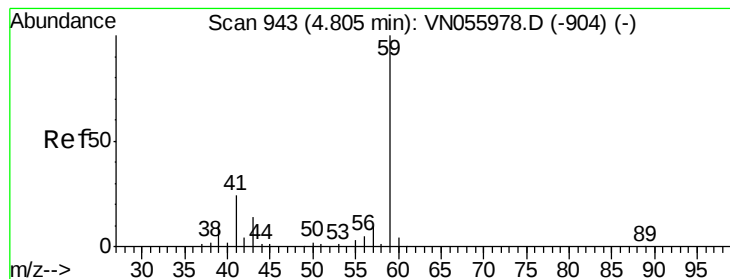
Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Tgt Ion:	142	Resp:	194488
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.4
141	13.8	11.4	17.0





#11

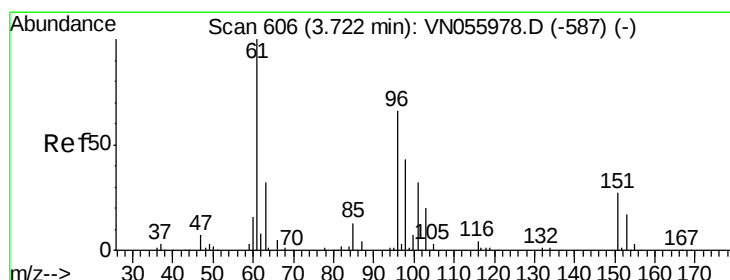
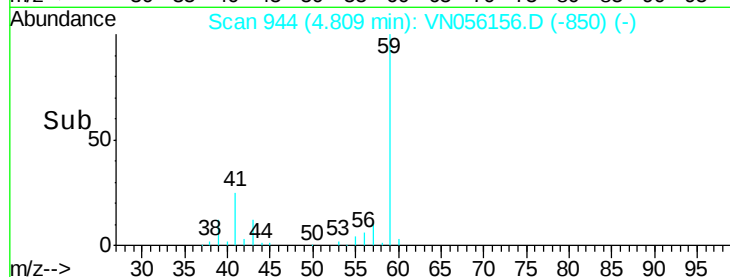
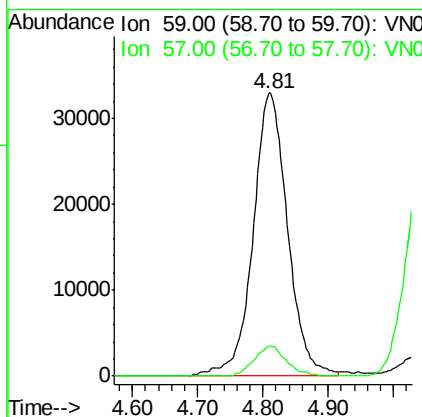
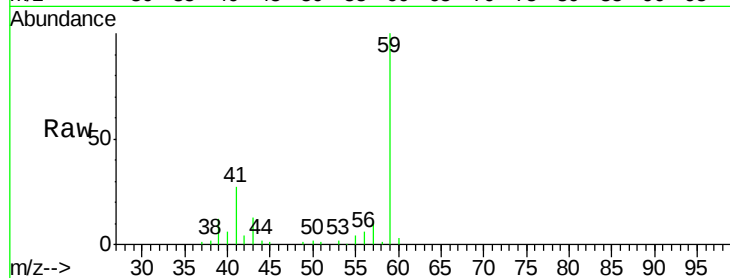
Tert butyl alcohol
 Concen: 230.635 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	121428		
57	9.9		7.8	11.6

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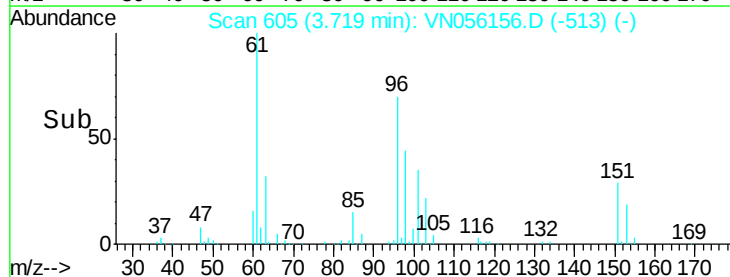
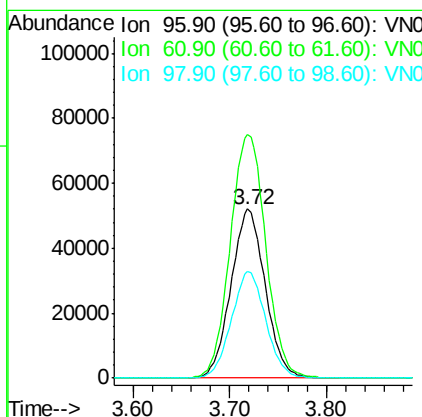
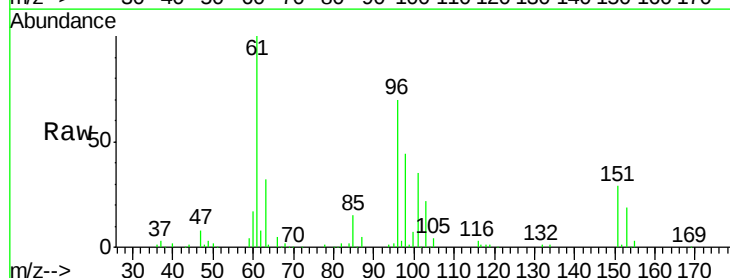
MMDadoda
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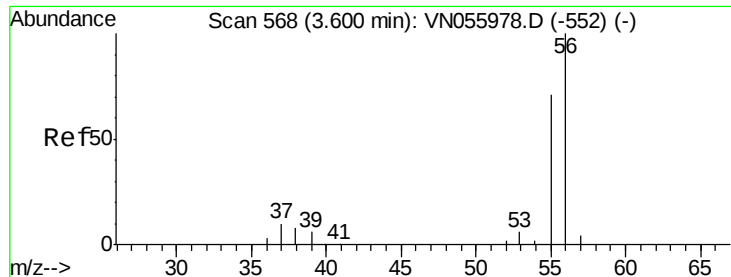


#12

1,1-Dichloroethene
 Concen: 50.141 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	128259		
61	143.8		123.2	184.8
98	63.1		50.4	75.6





#13

Acrolein

Concen: 279.212 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 42397

Ion Ratio Lower Upper

56 100

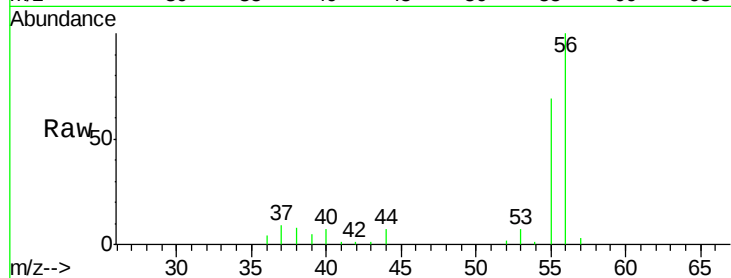
55 69.4 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

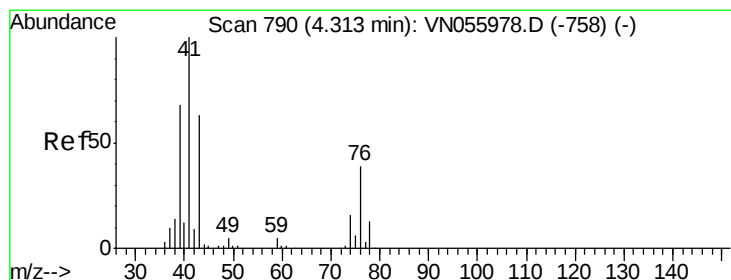
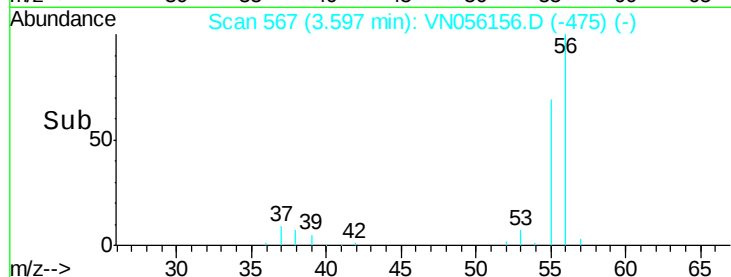
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 51.017 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

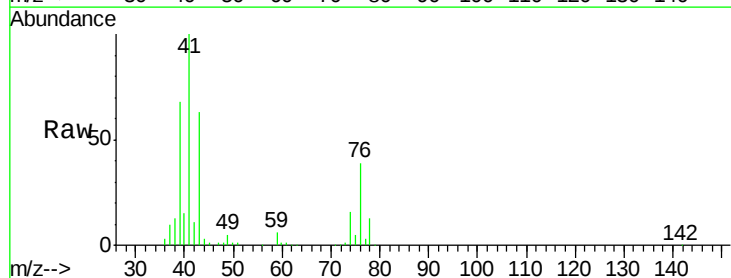
Tgt Ion: 41 Resp: 206062

Ion Ratio Lower Upper

41 100

39 62.4 50.0 75.0

76 34.6 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

80000

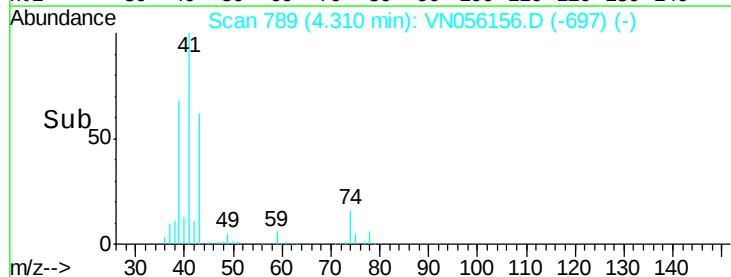
60000

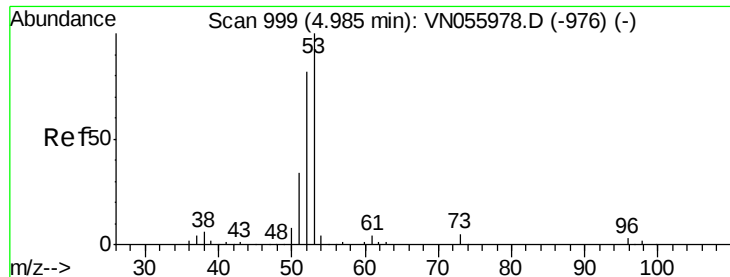
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 265.269 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

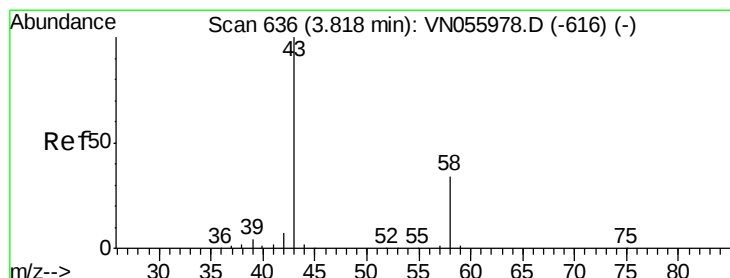
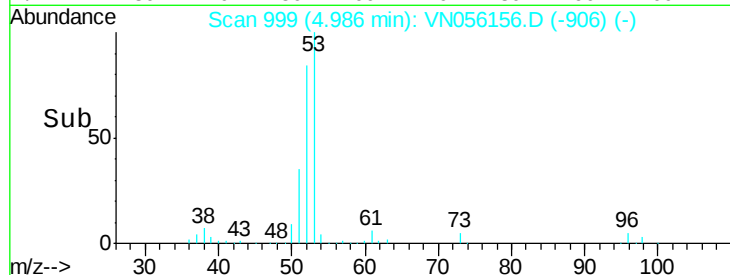
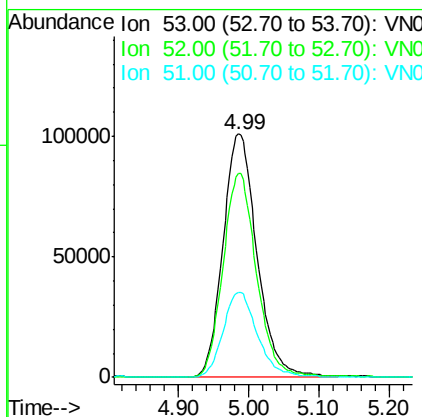
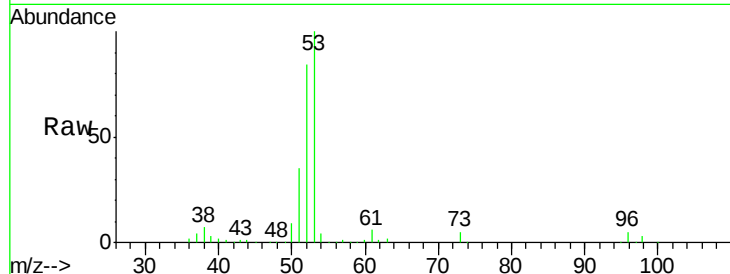
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	339979
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.8	98.8
51	35.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 254.940 ug/l

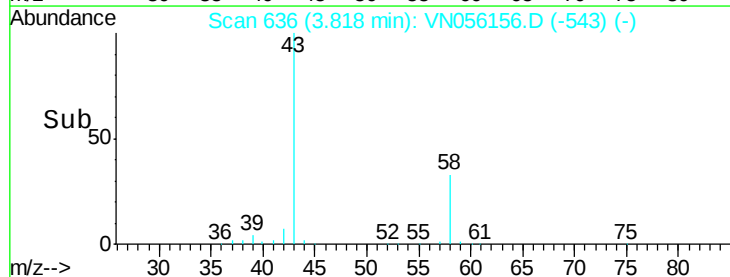
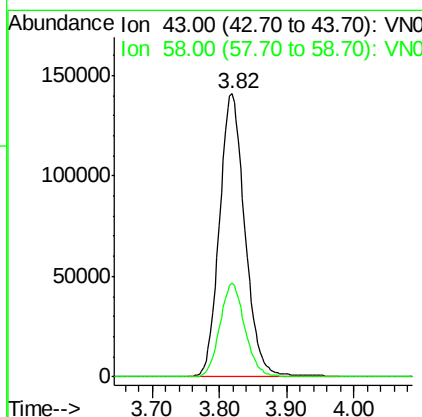
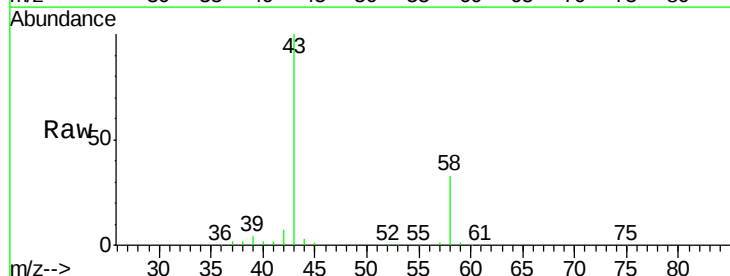
RT: 3.82 min Scan# 636

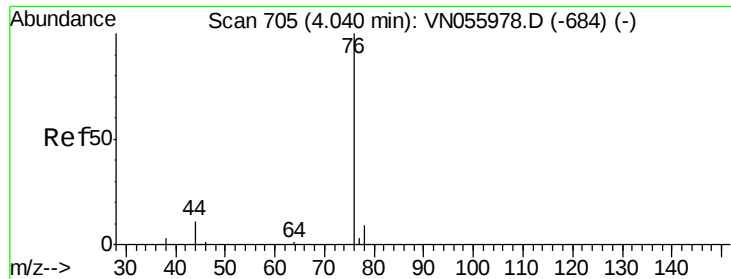
Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Tgt Ion:	43	Resp:	368893
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.6	39.8





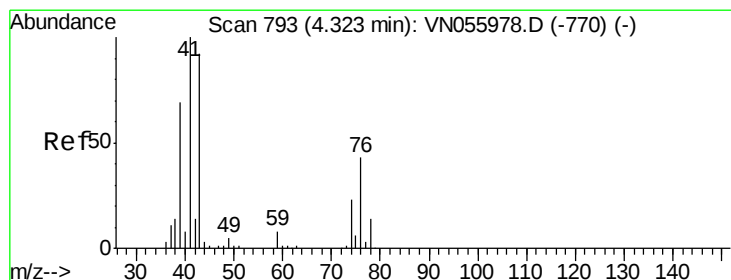
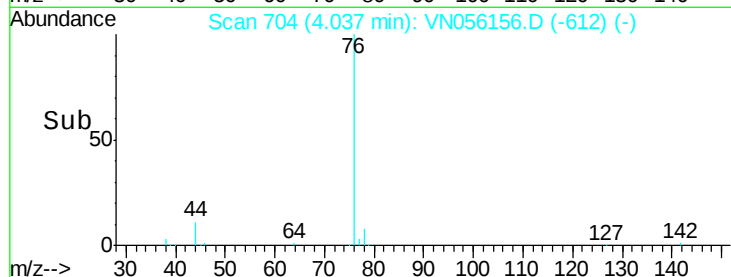
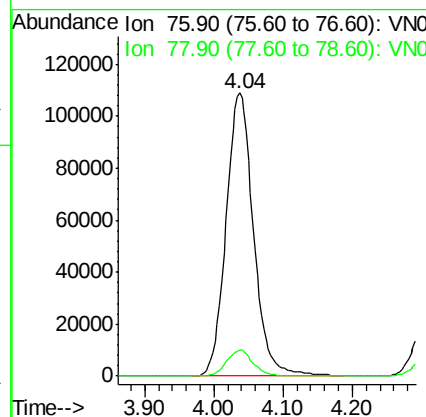
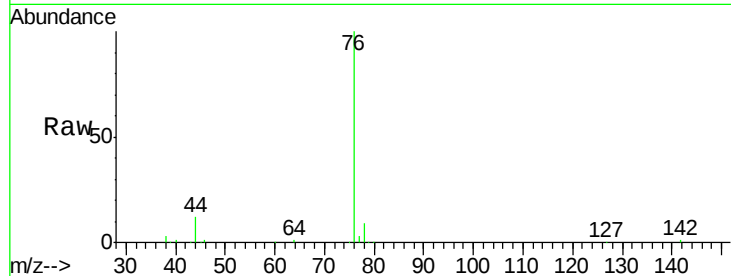
#17
Carbon Disulfide
Concen: 49.070 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

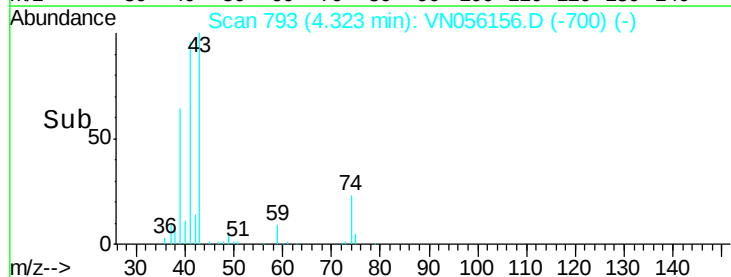
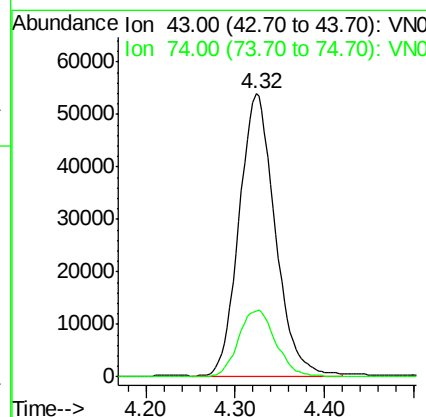
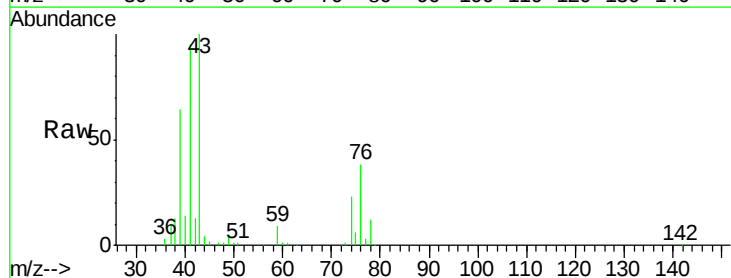
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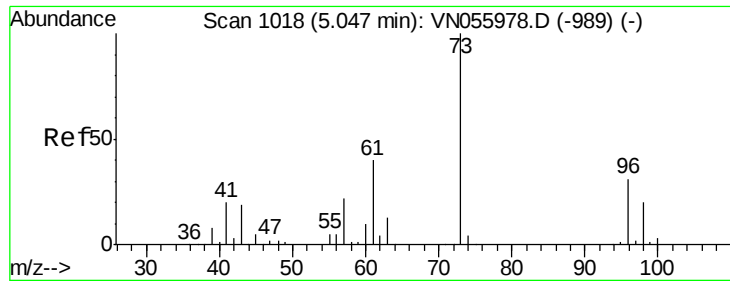
MMDadoda
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#18
Methyl Acetate
Concen: 53.024 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.3	28.9





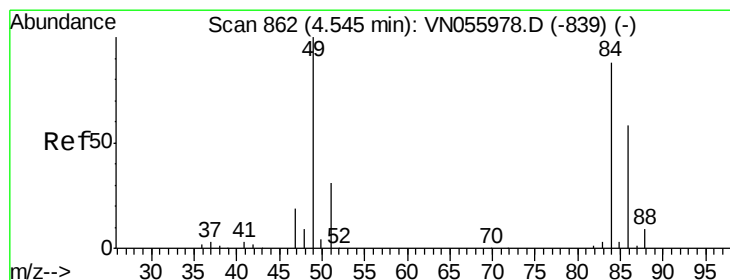
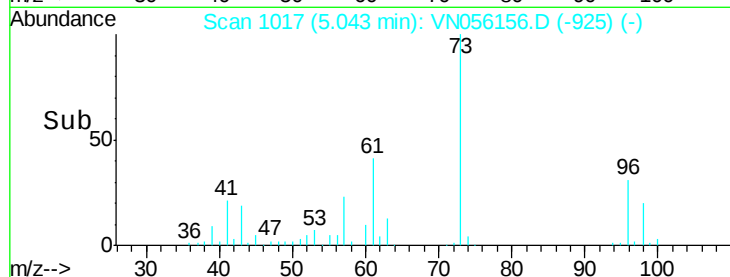
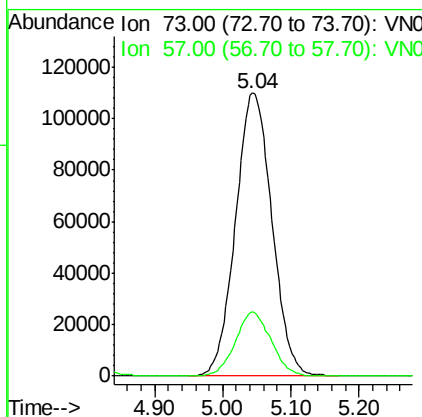
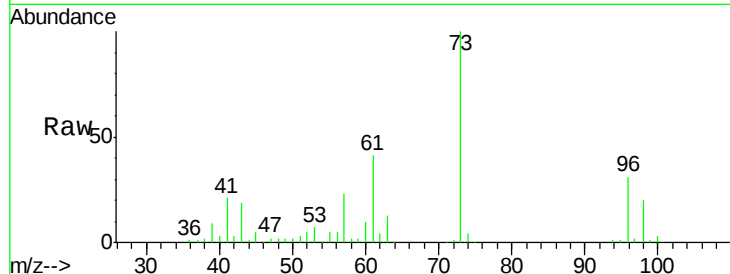
#19
Methvl tert-butvl Ether
Concen: 50.019 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 407835
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.8

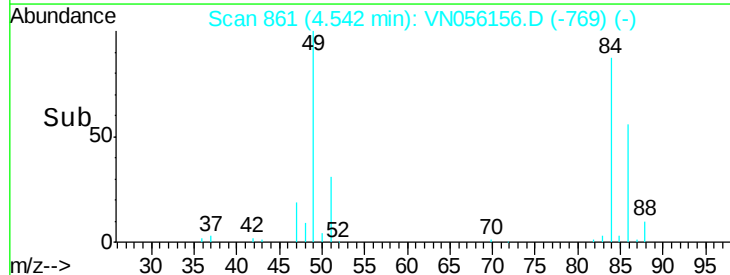
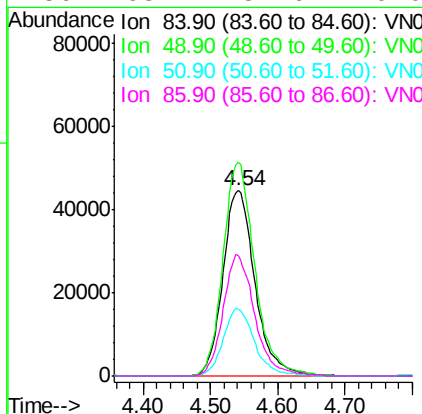
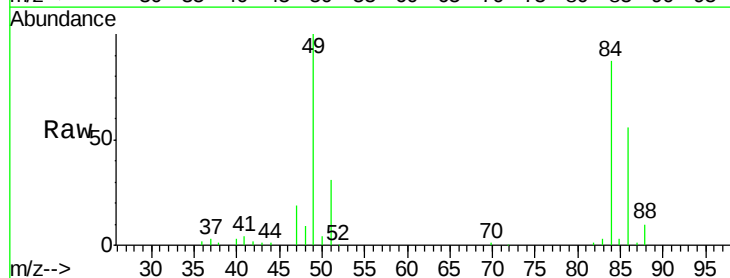
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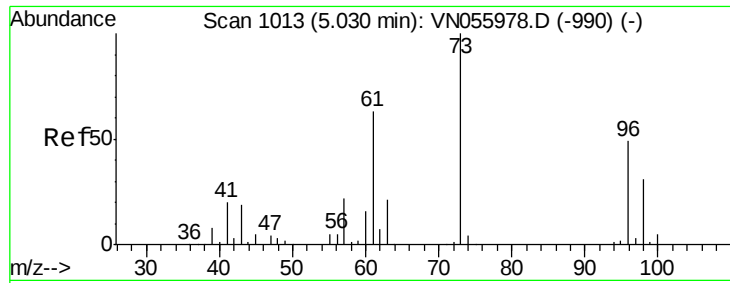
MMDadoda
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#20
Methylene Chloride
Concen: 49.673 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 84 Resp: 148081
Ion Ratio Lower Upper
84 100
49 115.3 93.5 140.3
51 36.2 28.6 43.0
86 65.1 52.6 79.0





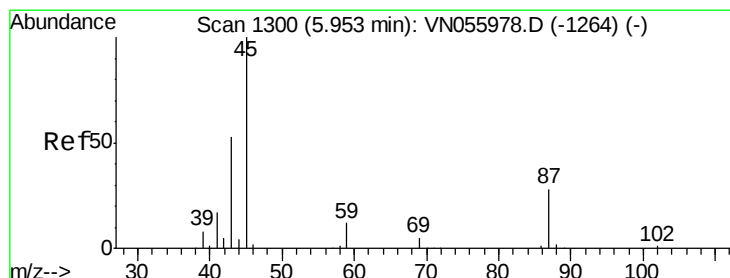
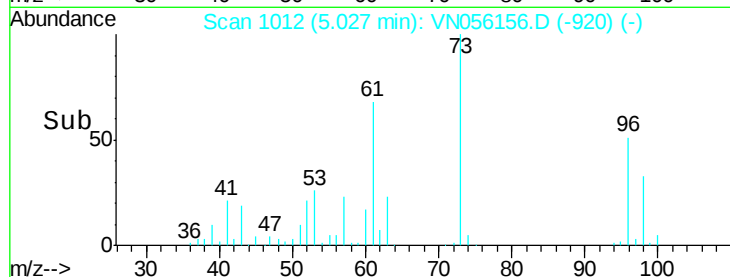
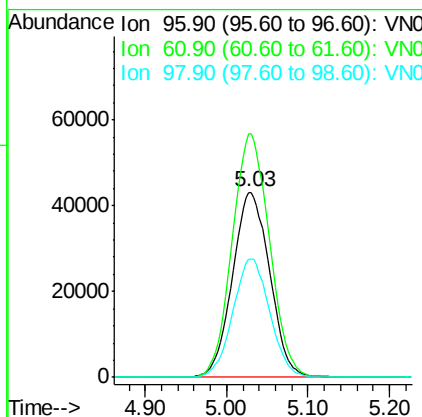
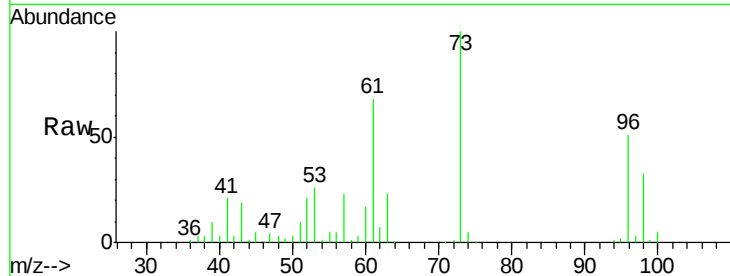
#21
trans-1,2-Dichloroethene
Concen: 49.939 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.3	107.8	161.8
98	63.6	49.8	74.8

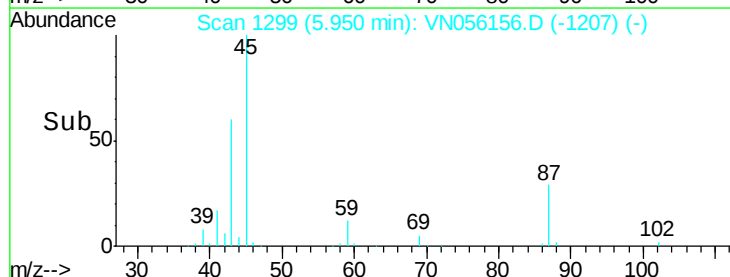
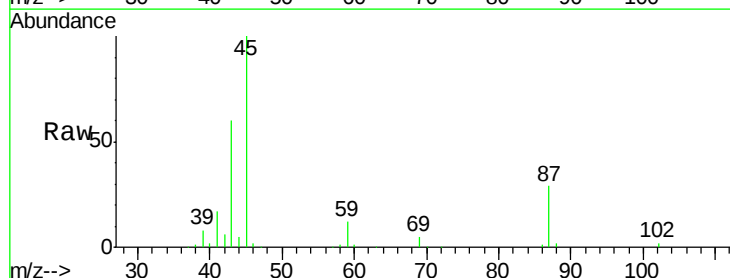
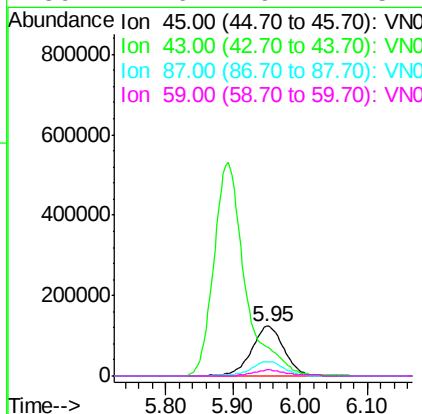
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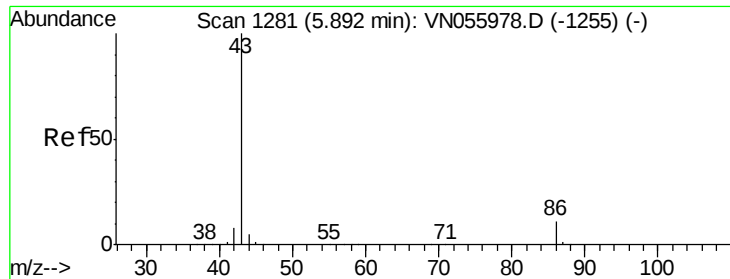
MMDadoda
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#22
Diisopropyl ether
Concen: 49.997 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	45.0	67.6
87	28.6	22.2	33.4
59	11.6	9.1	13.7





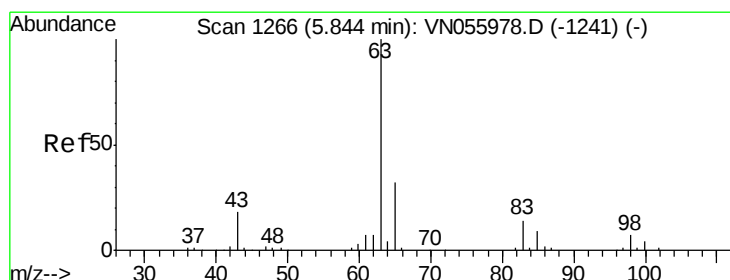
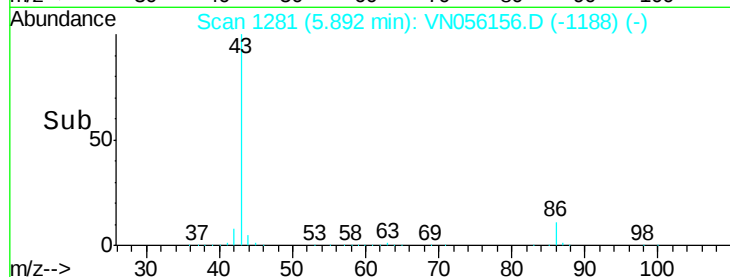
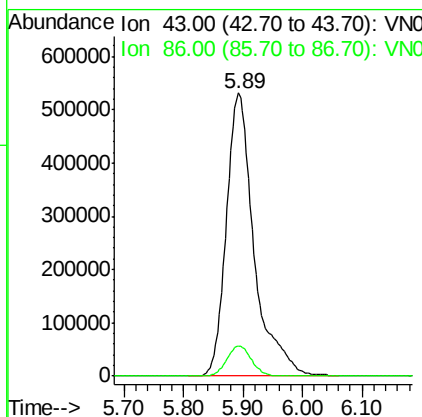
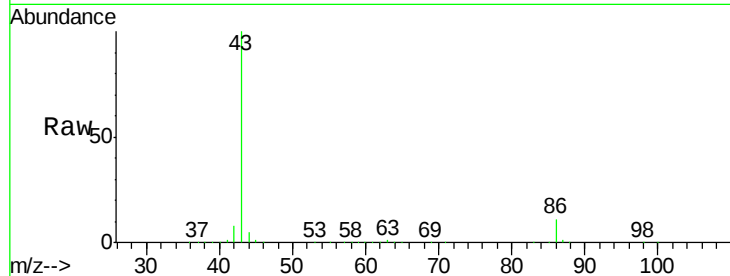
#23
 Vinyl Acetate
 Concen: 262.637 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1726899
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0

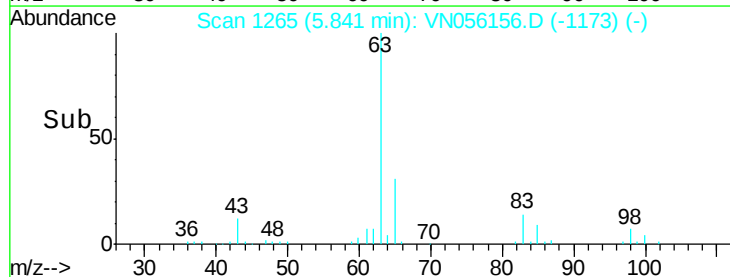
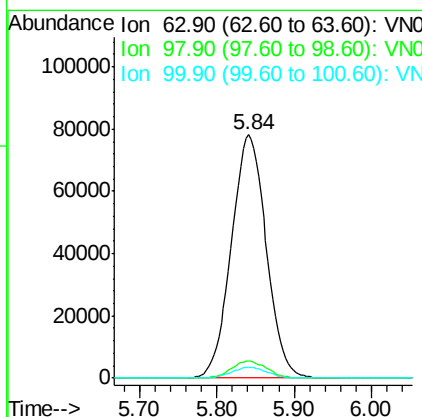
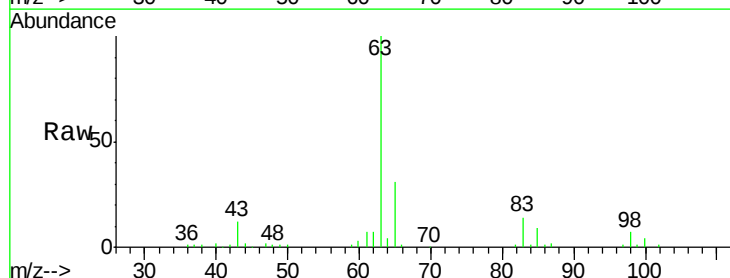
Manual Integrations
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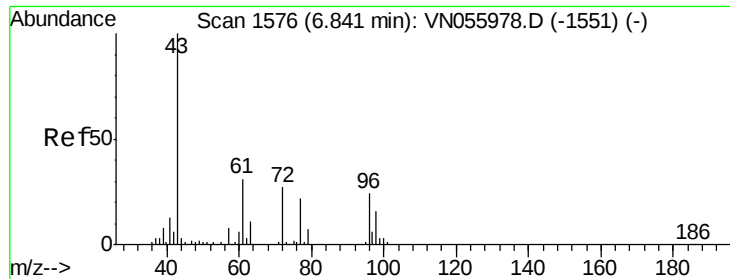
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 50.732 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion: 63 Resp: 244339
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 263.512 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 481757

Ion Ratio Lower Upper

43 100

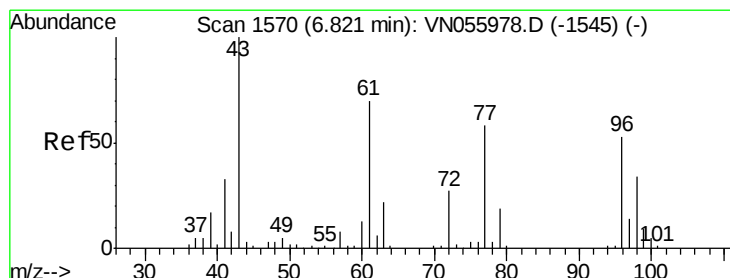
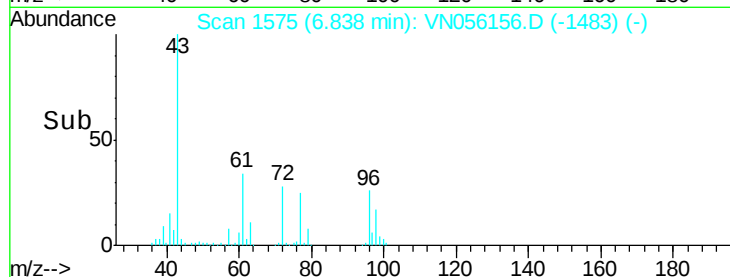
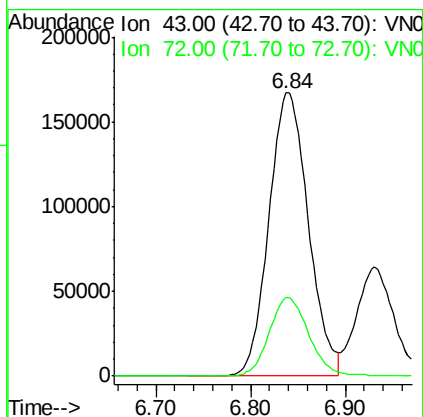
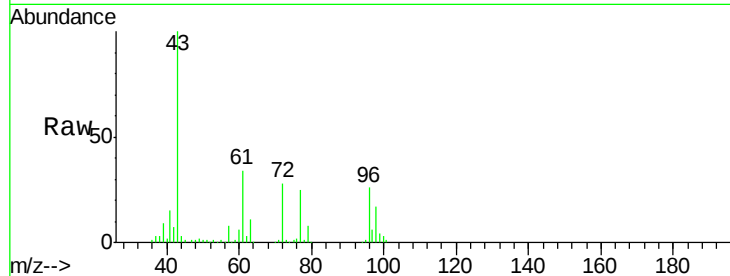
72 27.8 21.9 32.9

Manual Integrations

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6/11/2019 12:08:01 PM



#26

2,2-Dichloropropane

Concen: 51.072 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056156.D

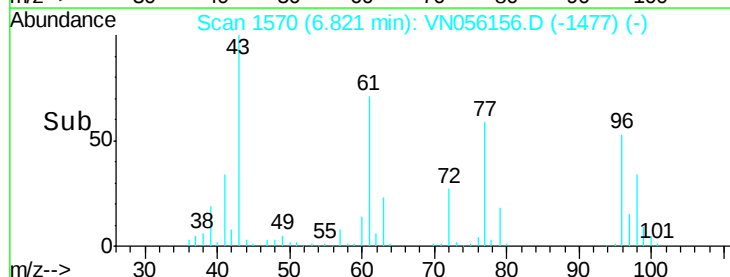
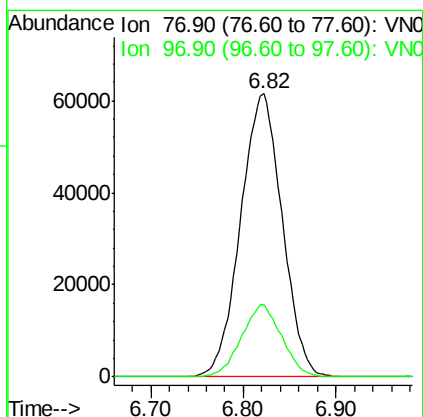
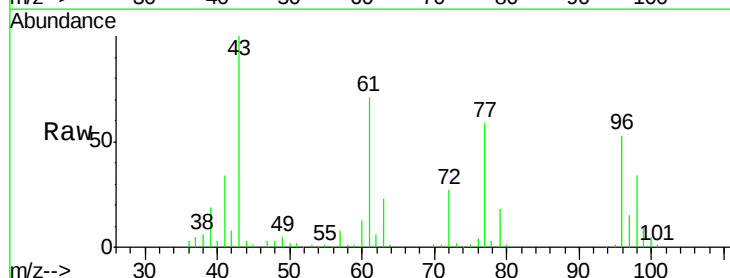
Acq: 10 Jun 2019 9:25

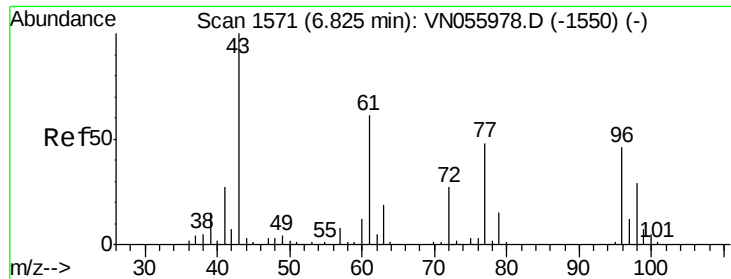
Tgt Ion: 77 Resp: 191940

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.102 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

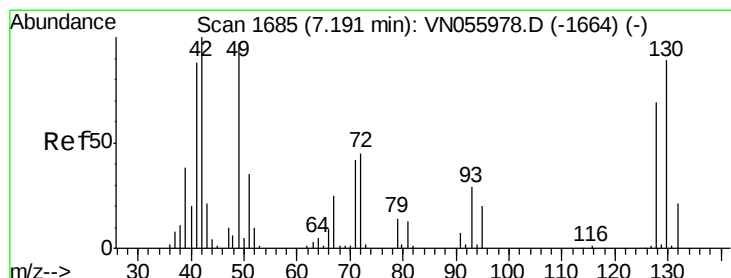
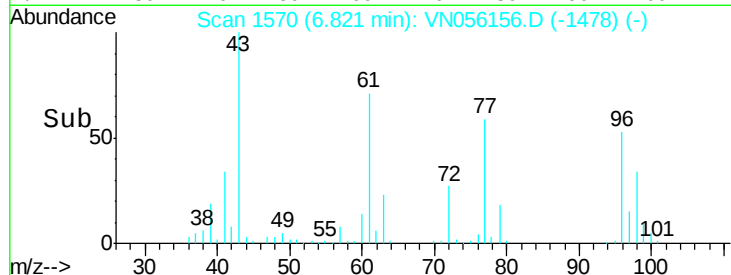
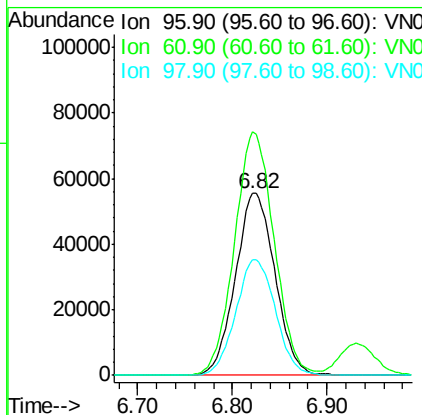
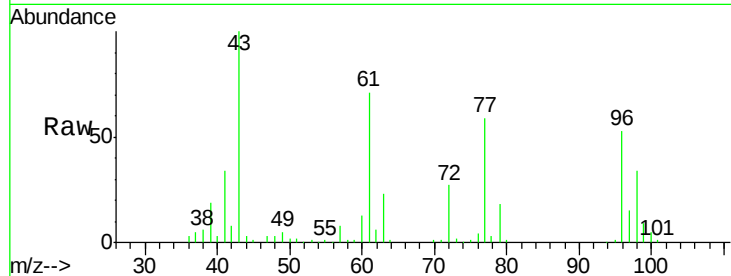
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	161410
Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	275.8
98	63.8	0.0	128.4

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#28

Bromochloromethane

Concen: 51.341 ug/l

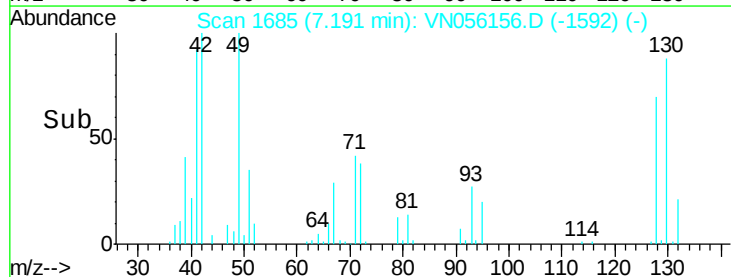
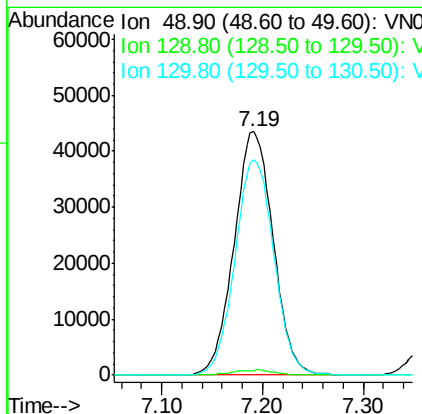
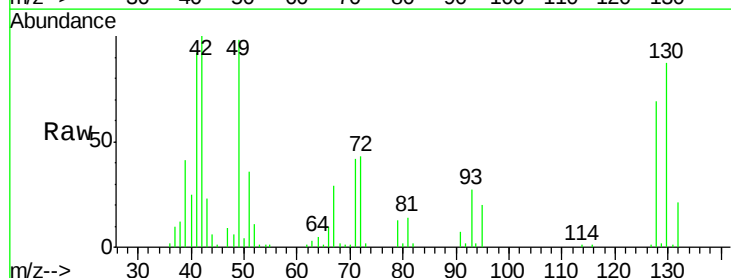
RT: 7.19 min Scan# 1685

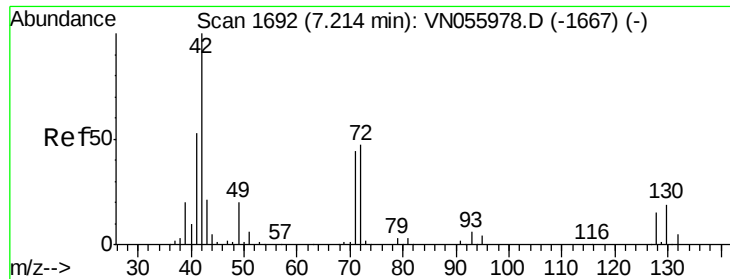
Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Tgt Ion:	49	Resp:	116936
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	88.5	71.2	106.8





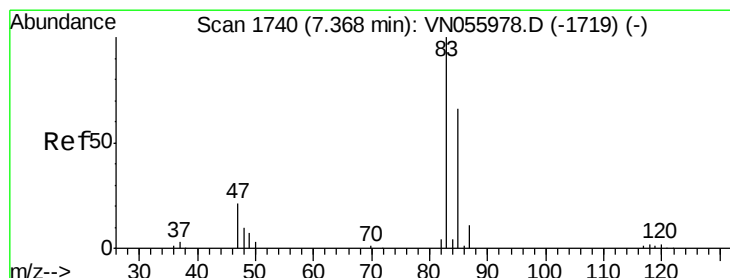
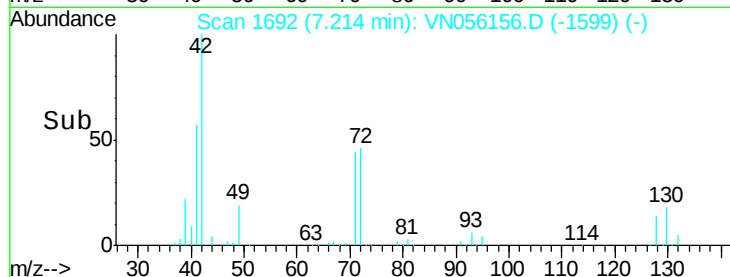
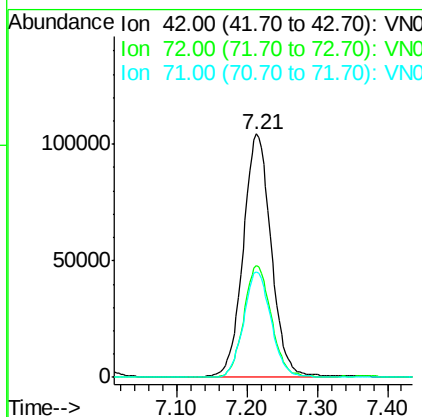
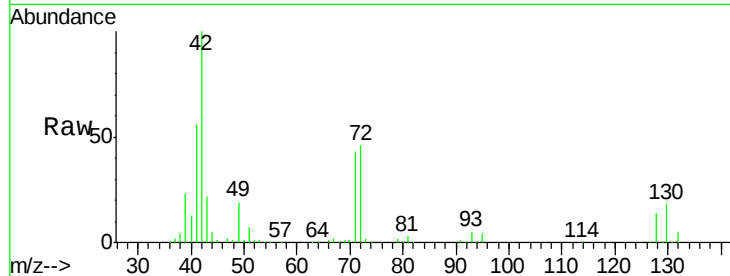
#29
Tetrahydrofuran
Concen: 256.424 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	42.4	34.0	51.0

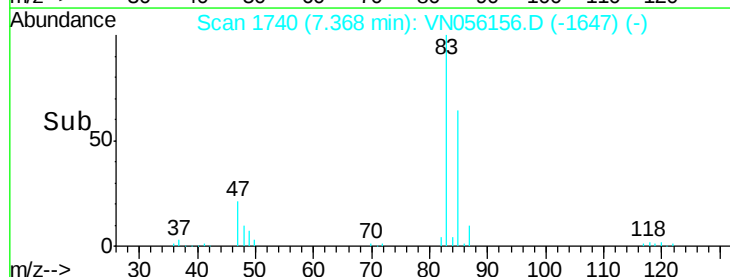
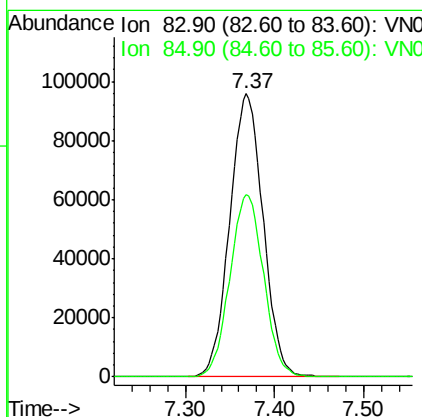
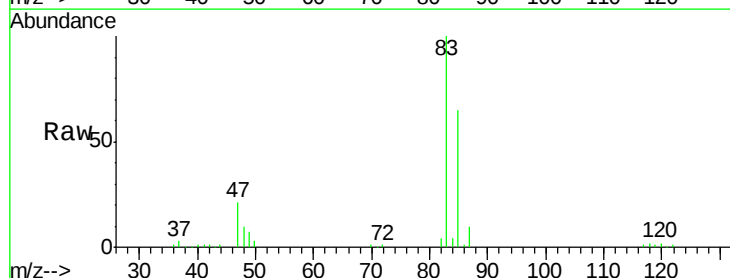
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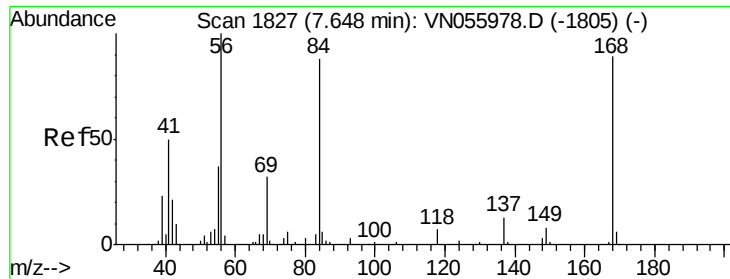
MMDadoda
6/11/2019 12:08:01 PM



#30
Chloroform
Concen: 51.281 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





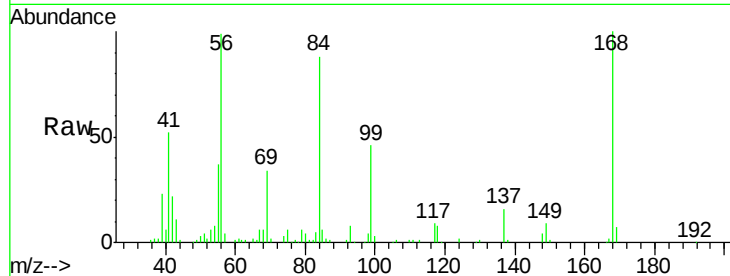
#31
Cyclohexane
Concen: 46.447 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

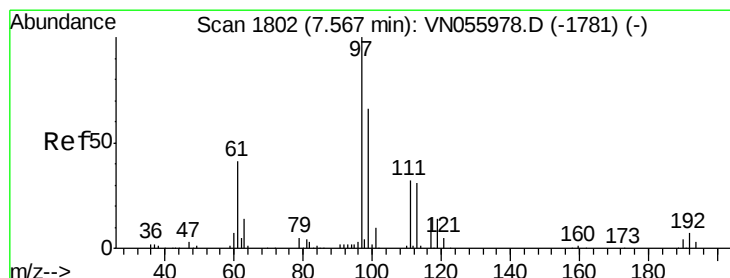
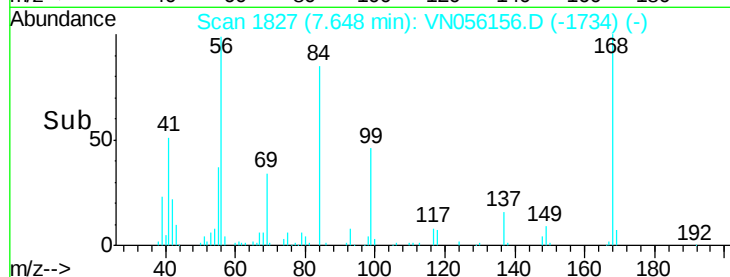
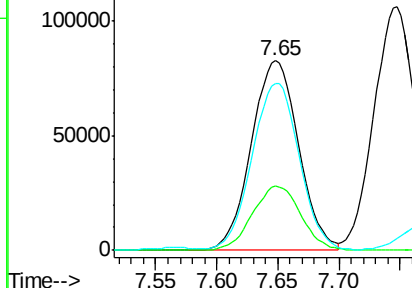
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.6	38.4
84	87.1	67.4	101.0

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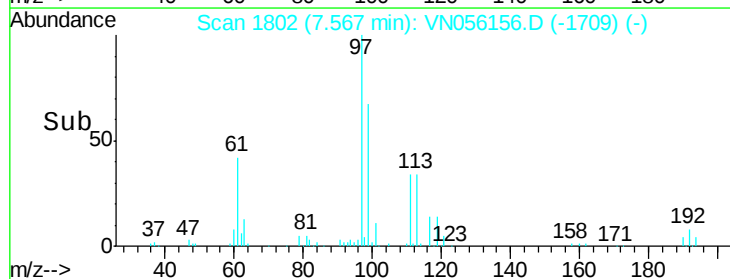
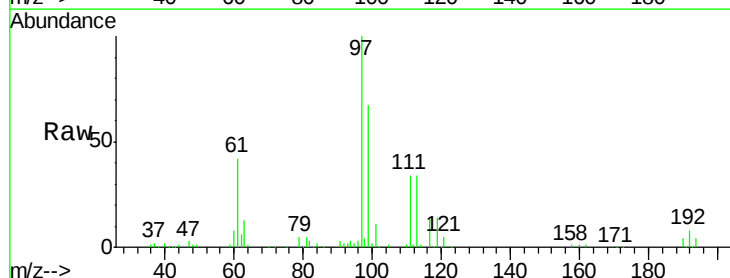
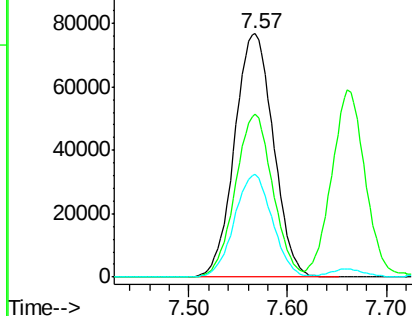
Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

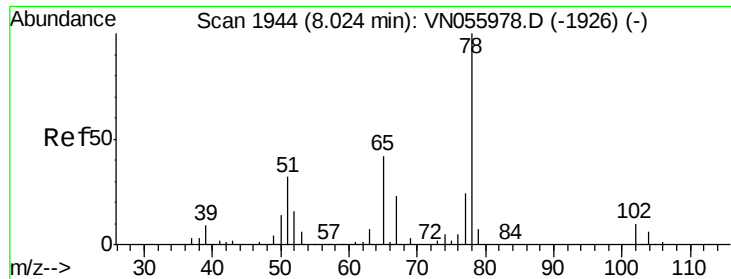


#32
1,1,1-Trichloroethane
Concen: 51.829 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	41.3	32.9	49.3

Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





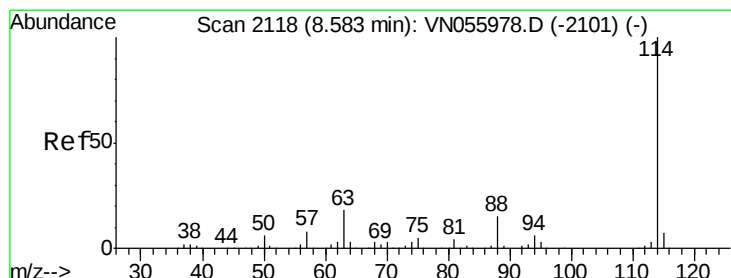
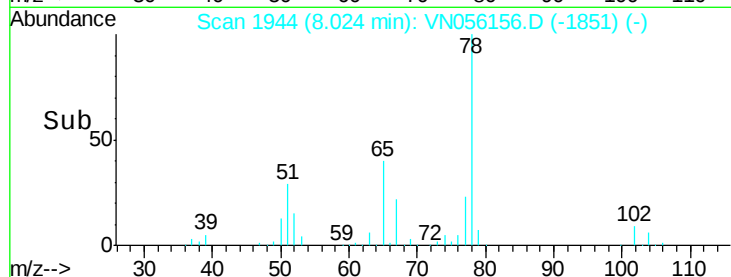
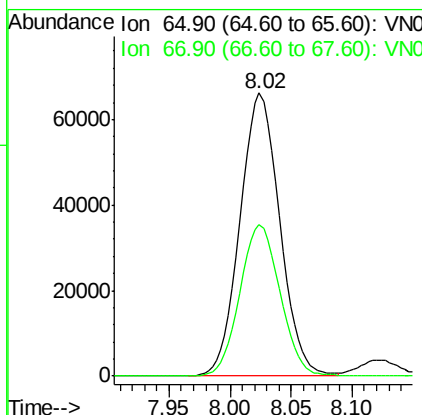
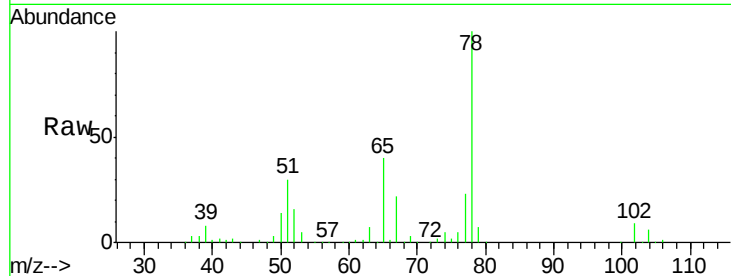
#33
 1,2-Dichloroethane-d4
 Concen: 49.314 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	149198		
67	54.2	0.0	109.2	

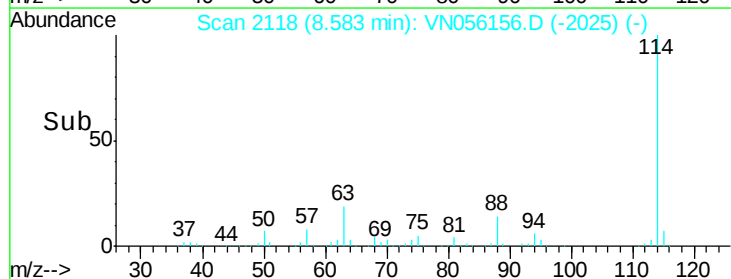
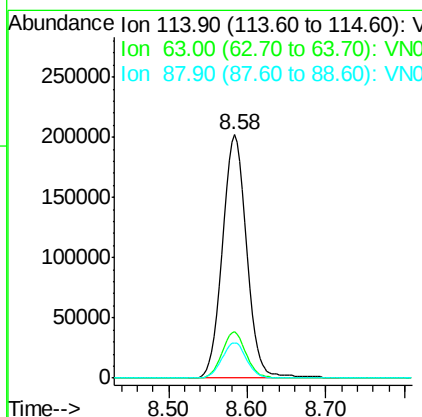
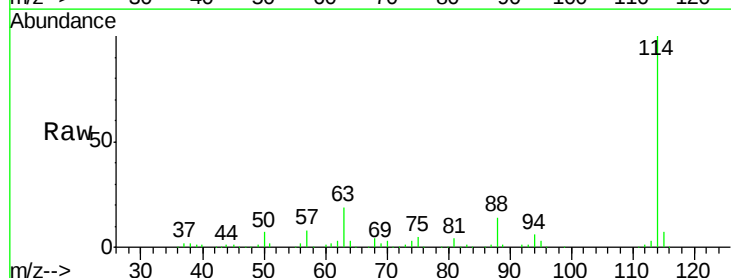
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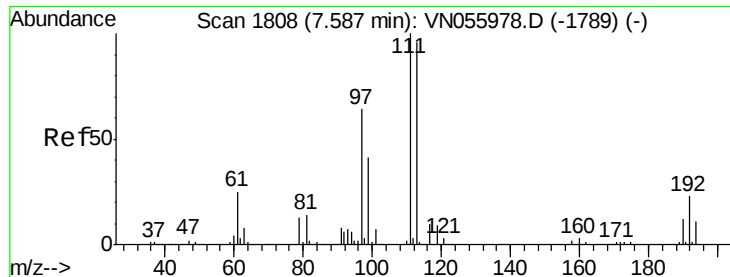
MMDadoda
 6/11/2019 12:08:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	428784		
63	19.0	0.0	39.2	
88	14.4	0.0	31.0	





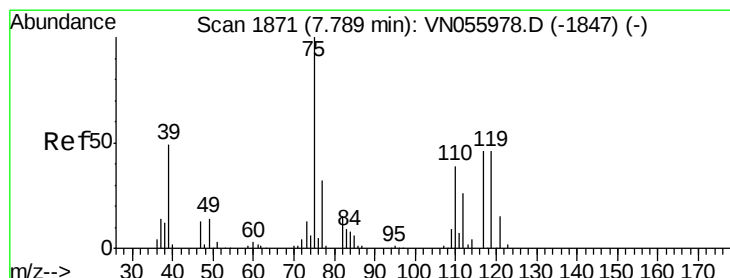
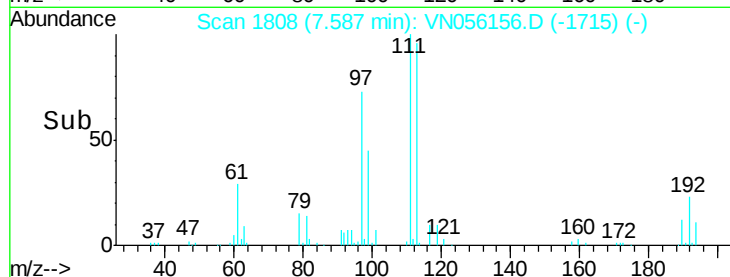
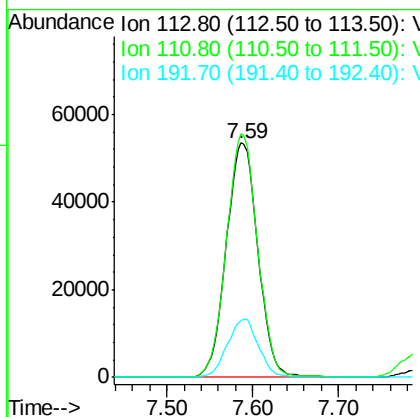
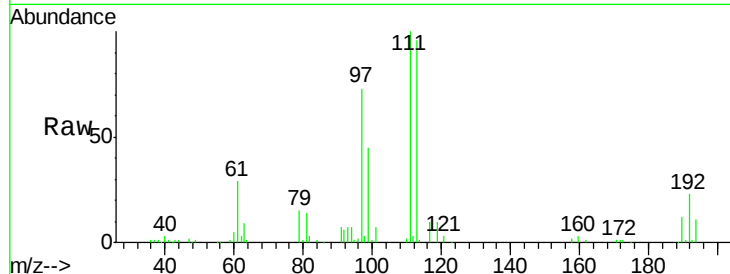
#35
 Dibromofluoromethane
 Concen: 52.007 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	81.9	122.9	
192	24.3	19.5	29.3	

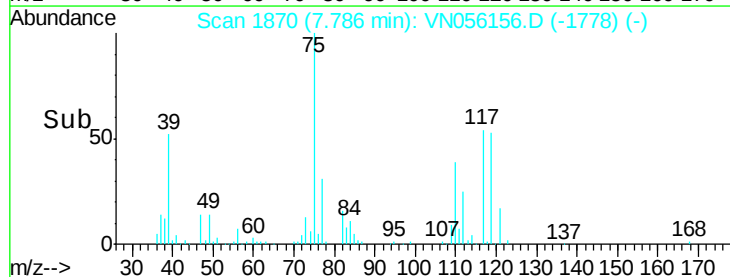
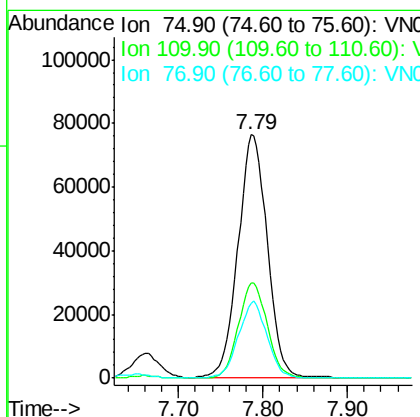
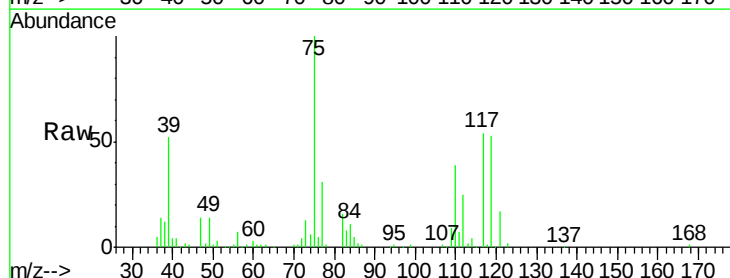
Manual Integrations
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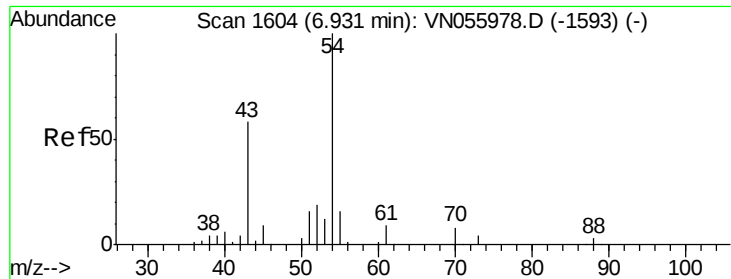
MMDadoda
 6/11/2019 12:08:01 PM



#36
 1,1-Dichloropropene
 Concen: 50.036 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.7	19.0	57.0	
77	30.9	25.1	37.7	





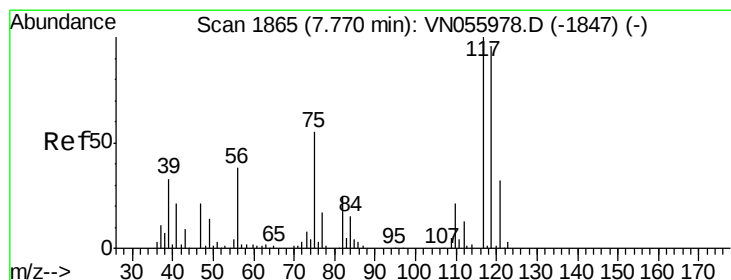
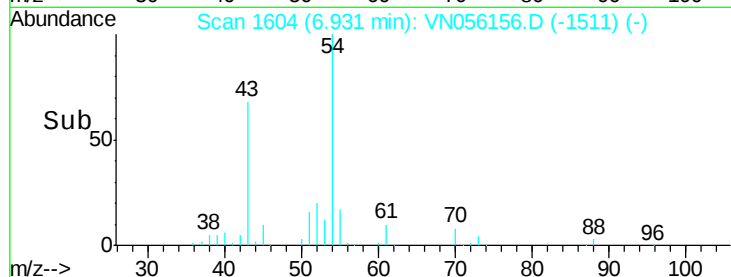
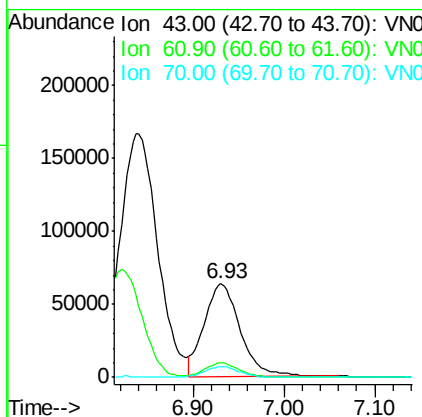
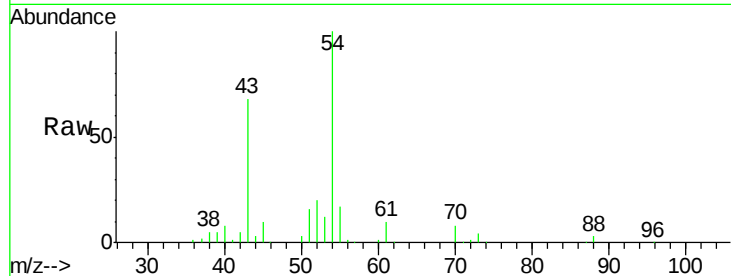
#37
Ethyl Acetate
Concen: 53.420 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	11.0	8.9	13.3

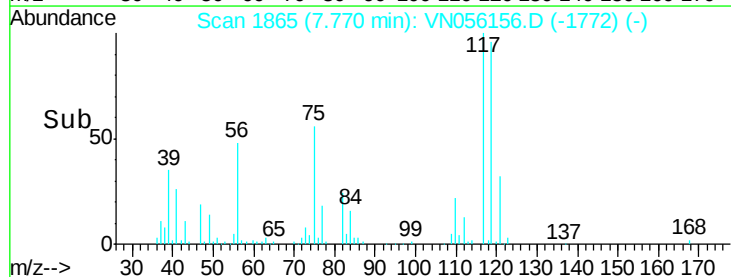
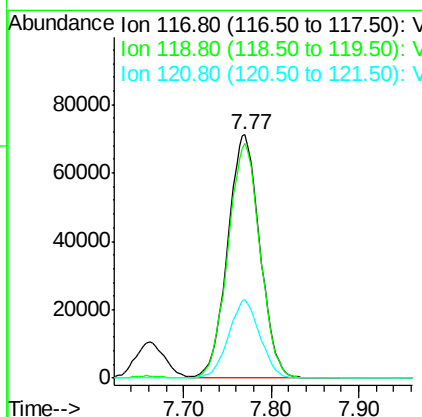
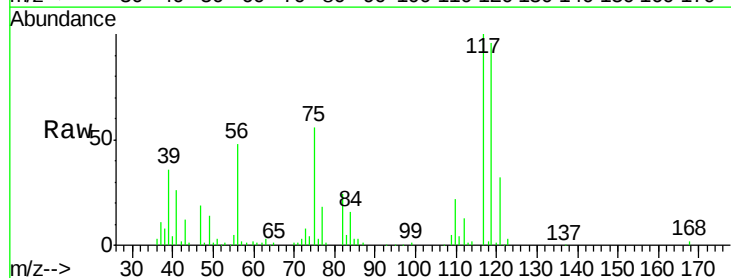
Manual Integrations
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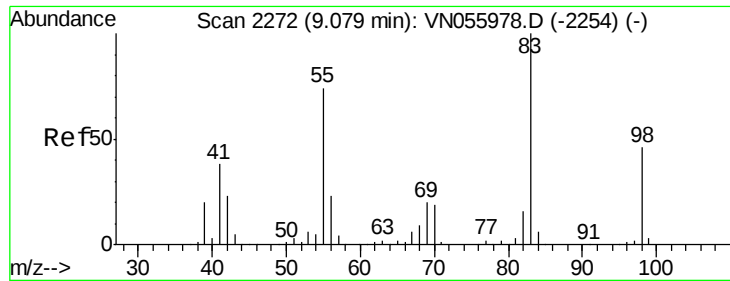
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.452 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	79.0	118.6
121	32.3	24.7	37.1





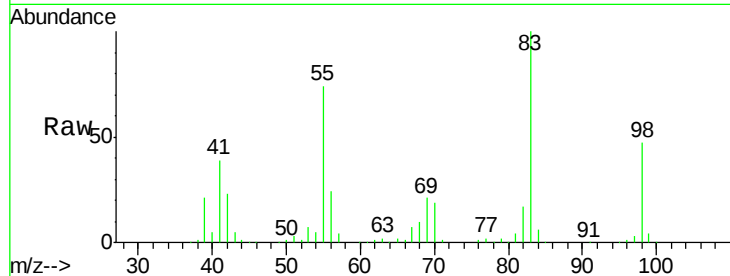
#39
Methvlcvclohexane
Concen: 50.666 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

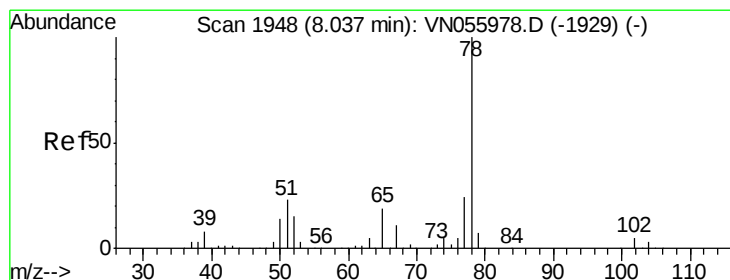
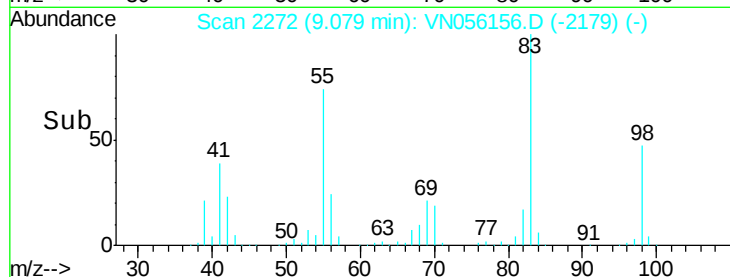
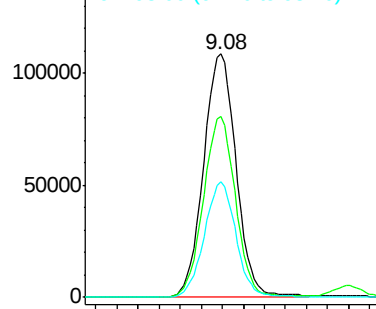
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	59.3	88.9
98	47.4	36.6	54.8

Manual Integrations
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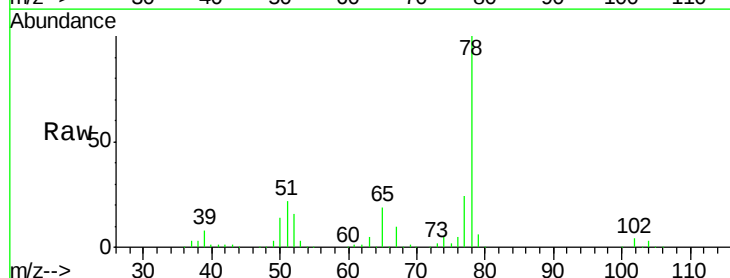


Abundance Ion 83.00 (82.70 to 83.70): VN055978.D (-2254) (-)

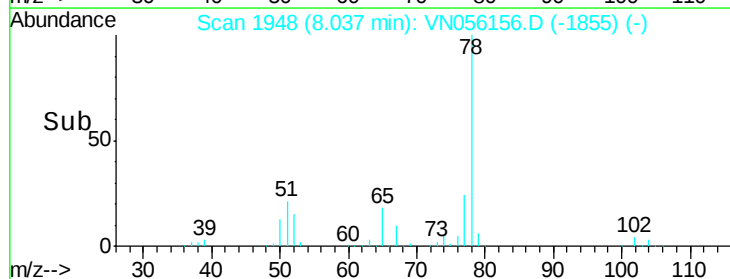
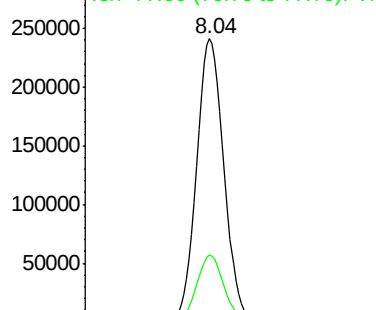


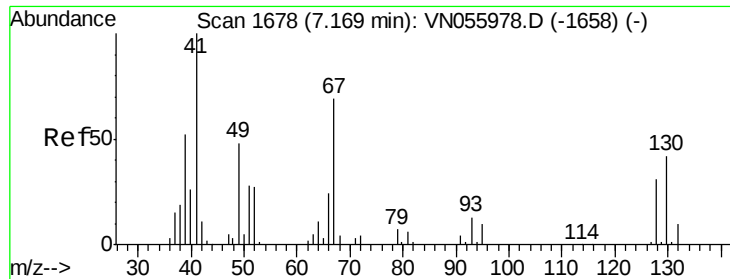
#40
Benzene
Concen: 51.334 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN055978.D (-1929) (-)





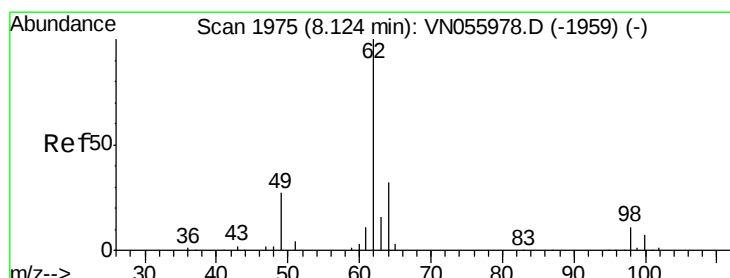
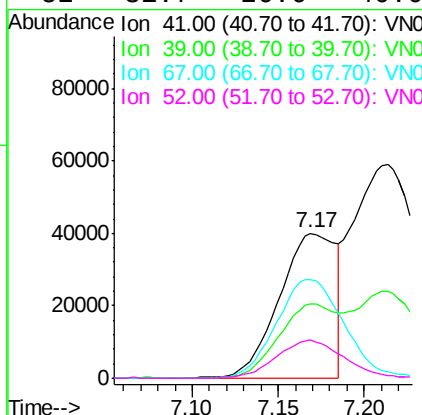
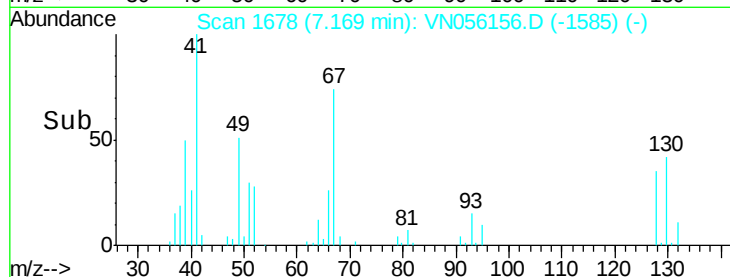
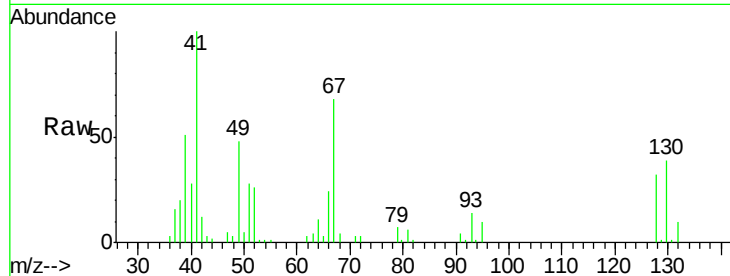
#41
Methacrylonitrile
Concen: 60.532 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	91363
Ion	Ratio	Lower	Upper
41	100		
39	55.0	45.6	68.4
67	82.5	67.7	101.5
52	31.7	26.6	40.0

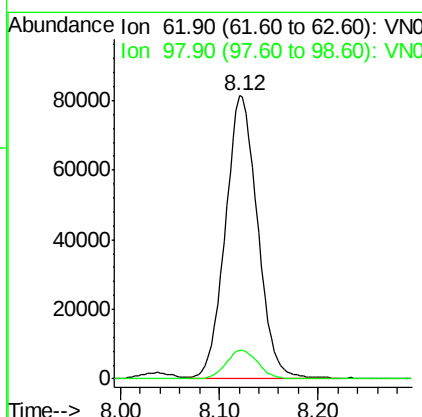
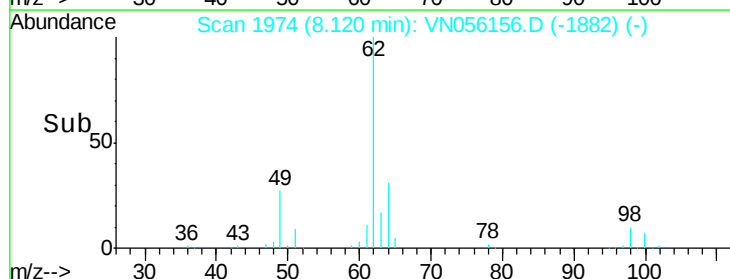
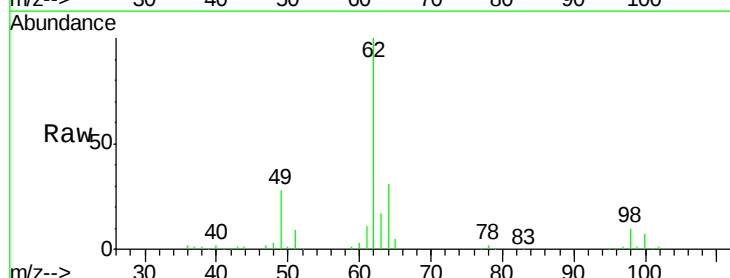
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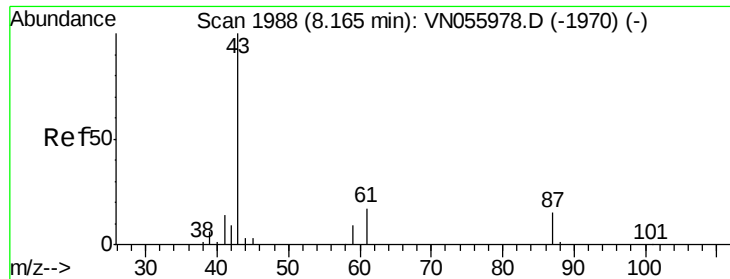
MMDadoda
6/11/2019 12:08:01 PM



#42
1,2-Dichloroethane
Concen: 51.295 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion:	62	Resp:	184765
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 51.398 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

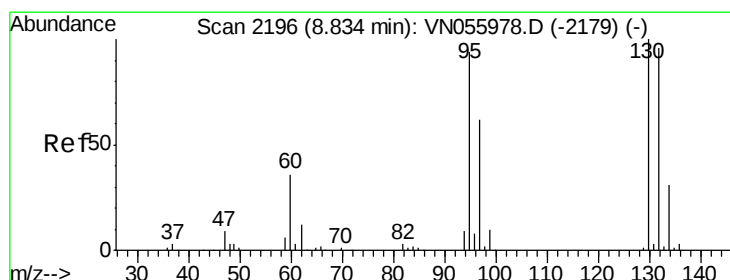
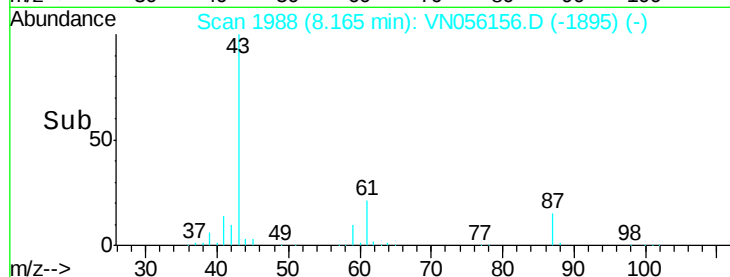
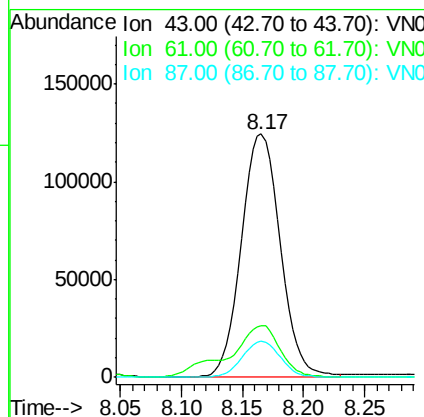
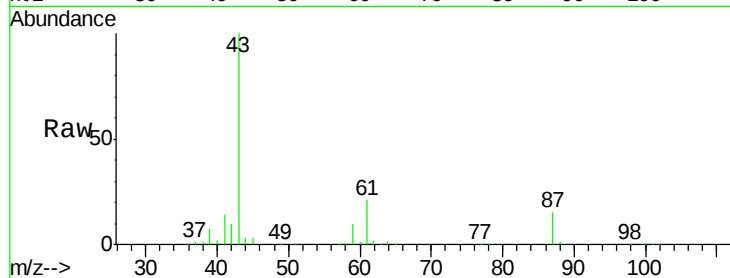
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	273228
Ion Ratio		Lower	Upper
43	100		
61	21.3	22.2	33.4#
87	14.6	11.4	17.2

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6/11/2019 12:08:01 PM



#44

Trichloroethene

Concen: 50.835 ug/l

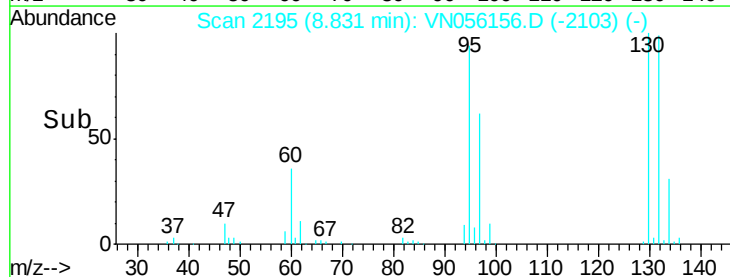
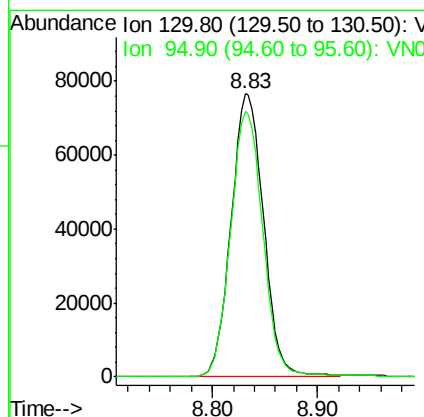
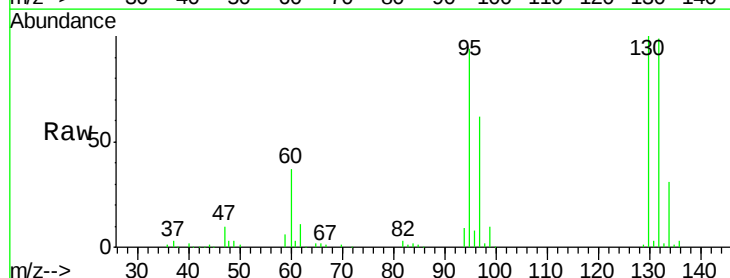
RT: 8.83 min Scan# 2195

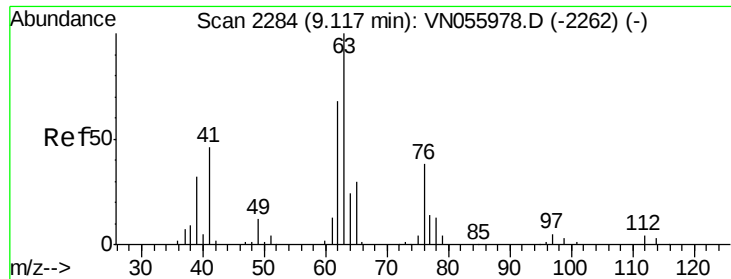
Delta R.T. -0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Tgt Ion:	130	Resp:	163575
Ion Ratio		Lower	Upper
130	100		
95	93.7	0.0	188.0





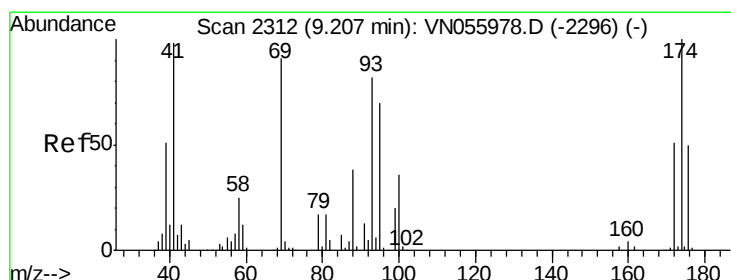
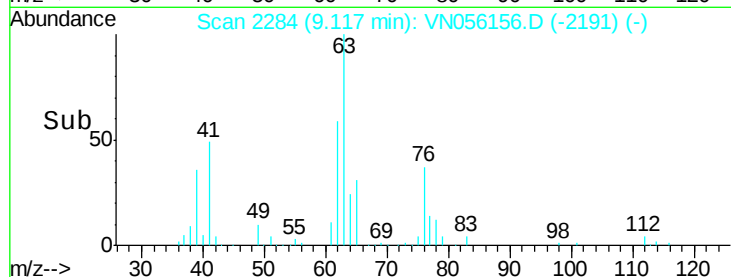
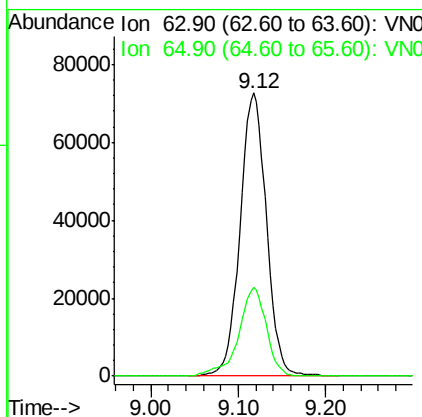
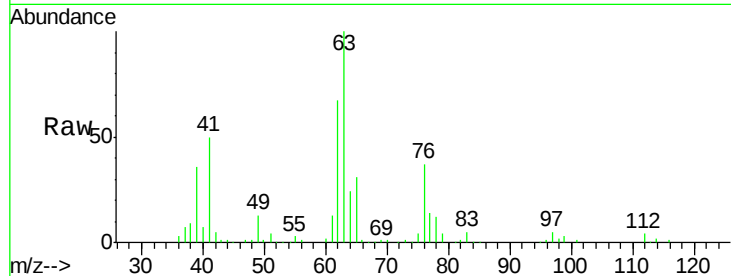
#45
 1,2-Dichloropropane
 Concen: 53.022 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 152082
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 36.8

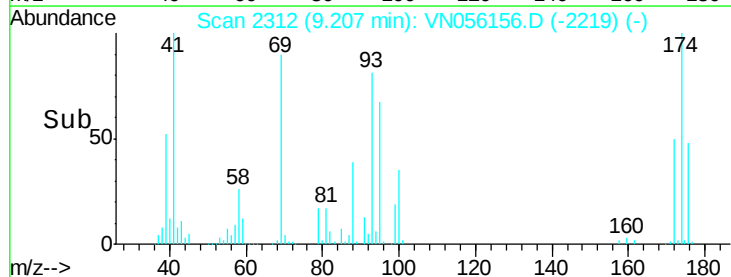
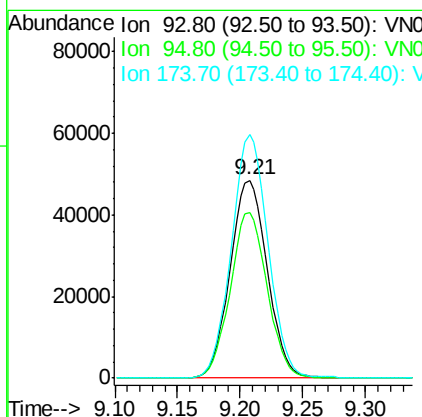
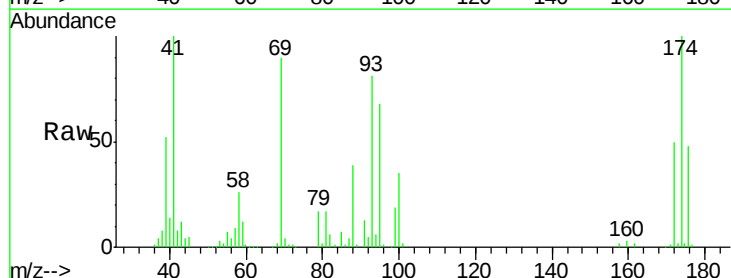
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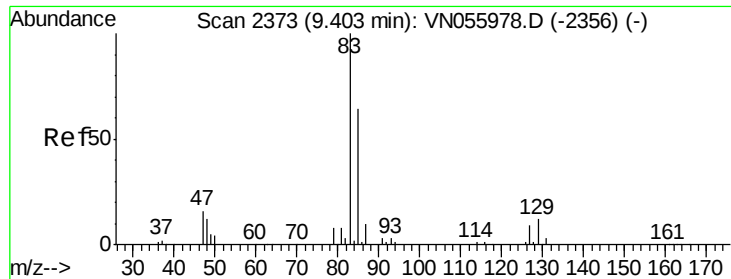
MMDadoda
 6/11/2019 12:08:01 PM



#46
 Dibromomethane
 Concen: 53.279 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion: 93 Resp: 99933
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 121.8 96.4 144.6





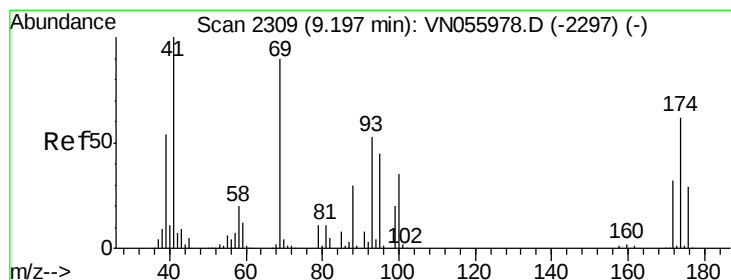
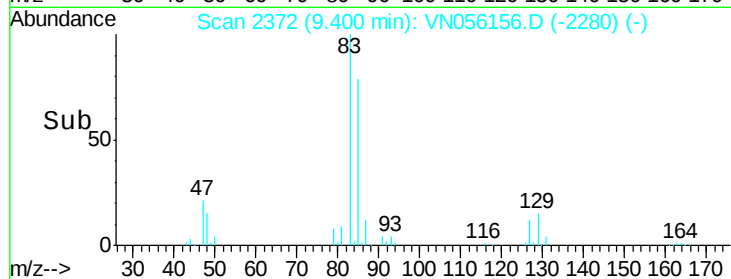
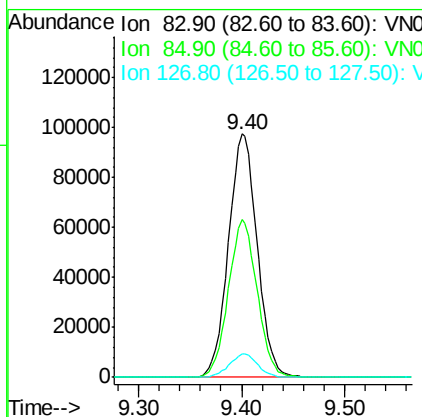
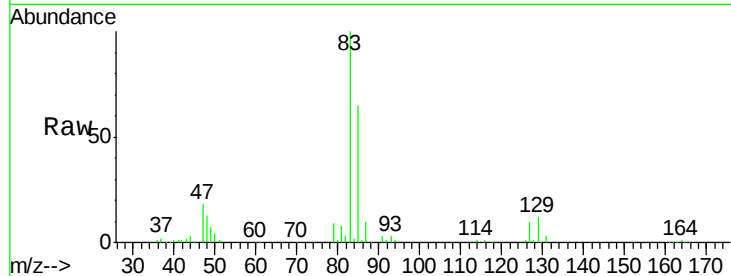
#47
Bromodichloromethane
Concen: 55.700 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	189350
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	52.2	78.2
127	9.6	7.4	11.0

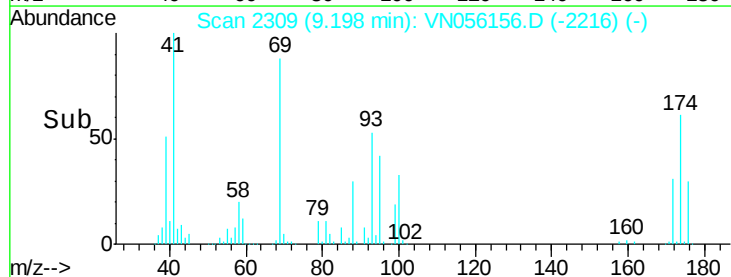
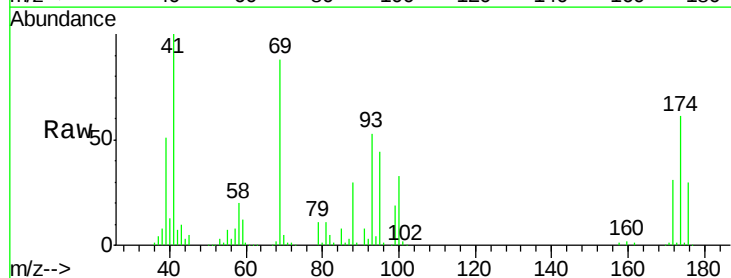
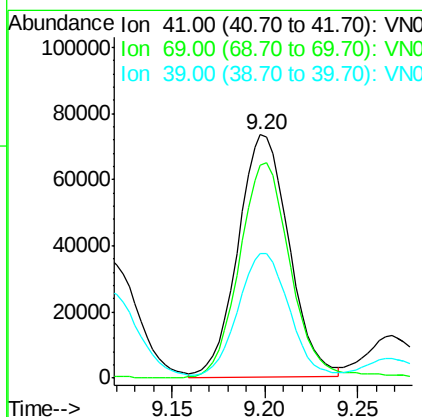
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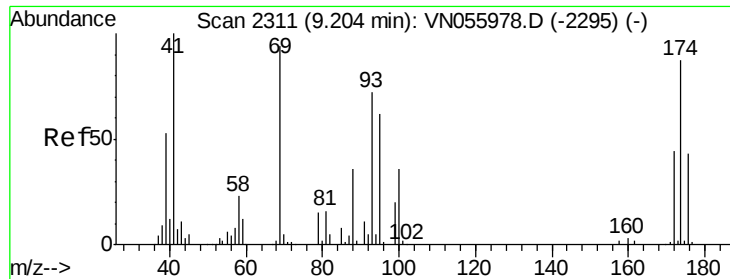
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6/11/2019 12:08:01 PM



#48
Methyl methacrylate
Concen: 53.927 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	41	Resp	140247
Ion Ratio	100	Lower	Upper
41	100		
69	90.4	71.0	106.6
39	51.8	44.2	66.2





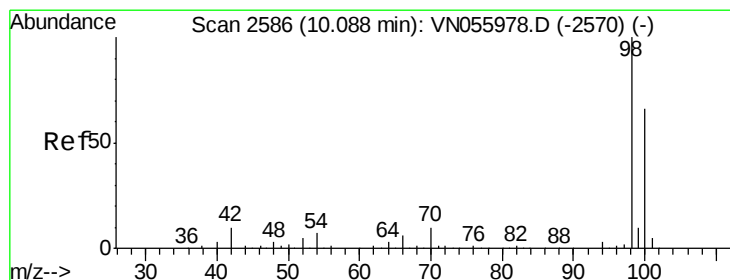
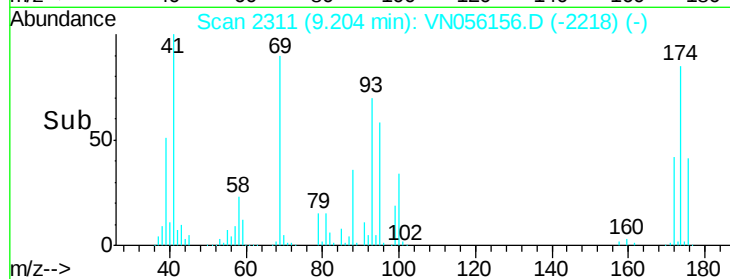
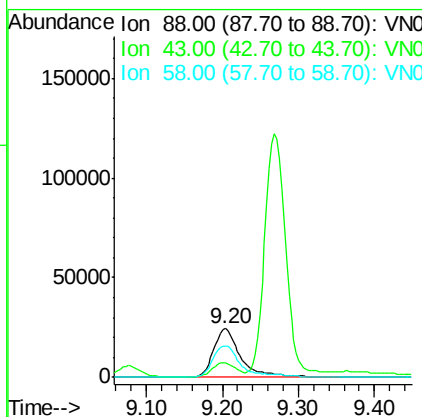
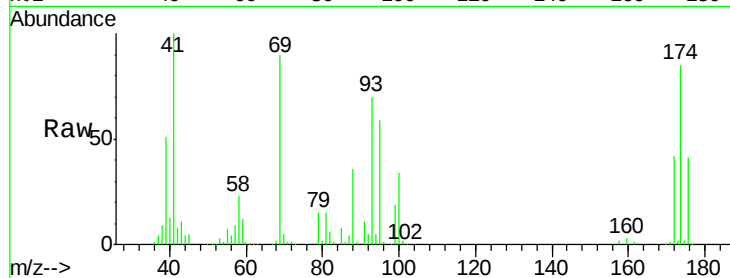
#49
1,4-Dioxane
Concen: 1088.749 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	61129
Ion	Ratio	Lower	Upper
88	100		
43	24.8	20.5	30.7
58	67.5	55.8	83.6

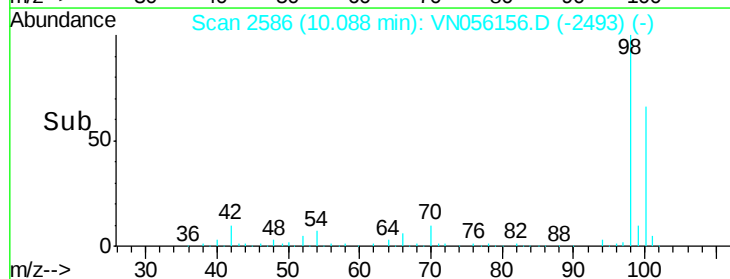
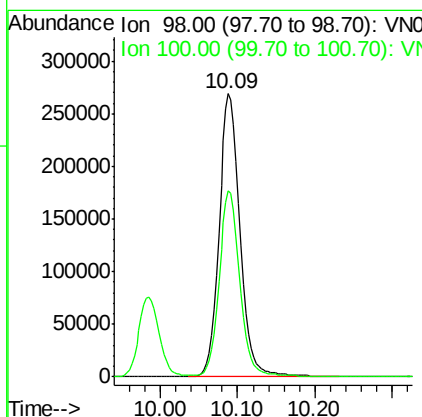
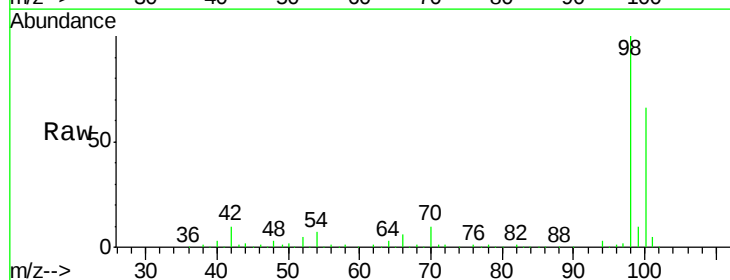
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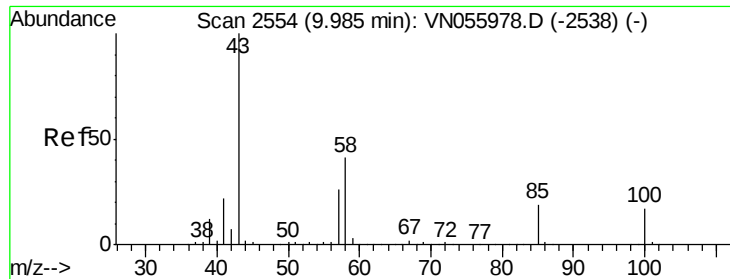
MMDadoda
6/11/2019 12:08:01 PM



#50
Toluene-d8
Concen: 50.223 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	98	Resp	508410
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 269.148 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 894734

Ion Ratio Lower Upper

43 100

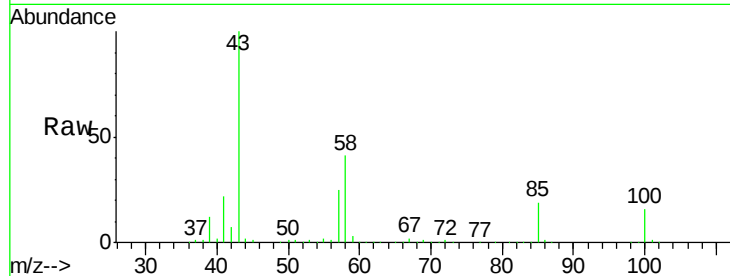
58 40.3 32.1 48.1

Manual Integrations

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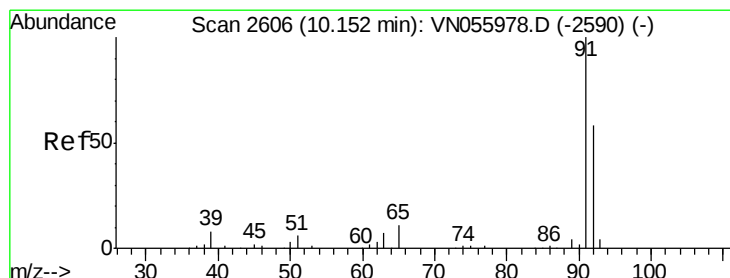
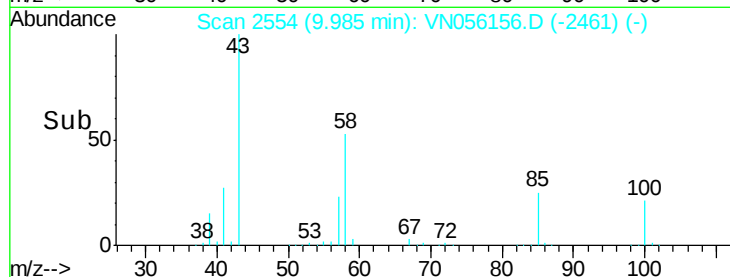
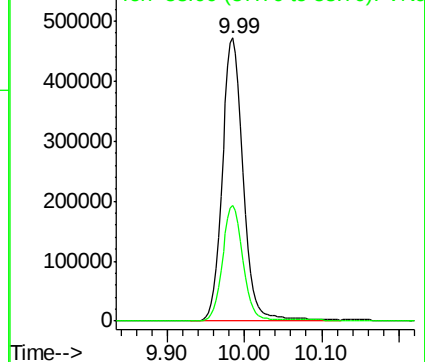
MMDadoda

6/11/2019 12:08:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.123 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056156.D

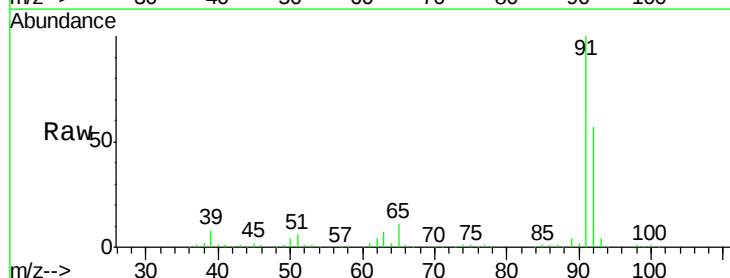
Acq: 10 Jun 2019 9:25

Tgt Ion: 92 Resp: 363199

Ion Ratio Lower Upper

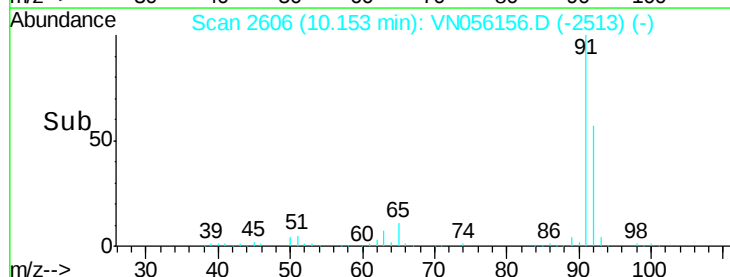
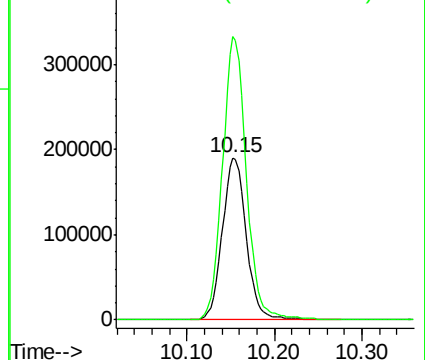
92 100

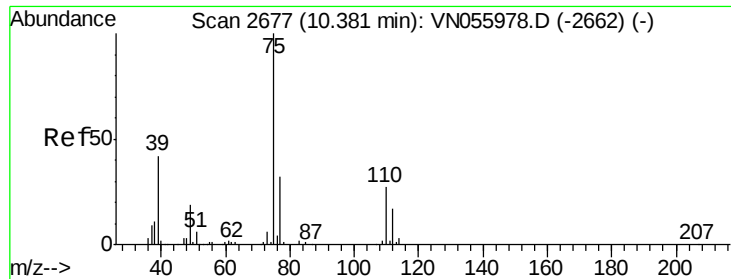
91 174.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





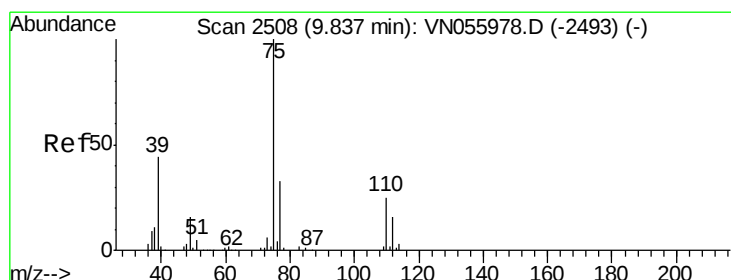
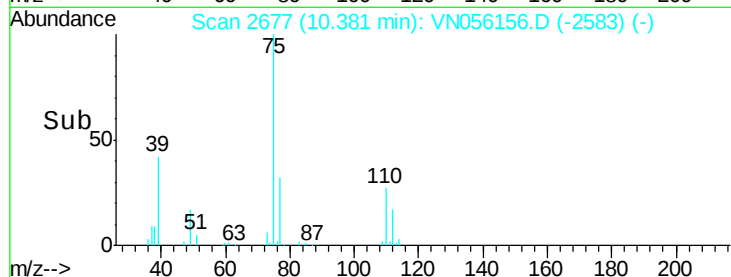
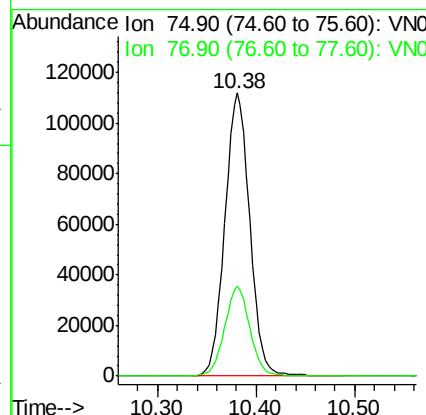
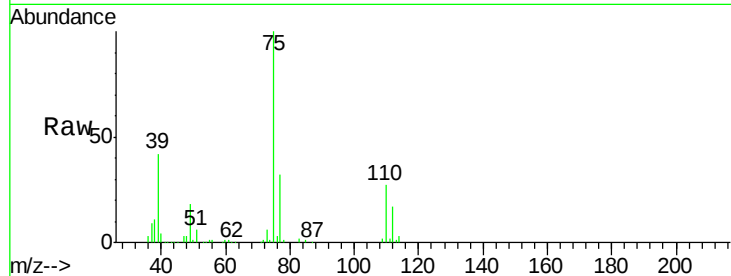
#53
t-1,3-Dichloropropene
Concen: 49.889 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6

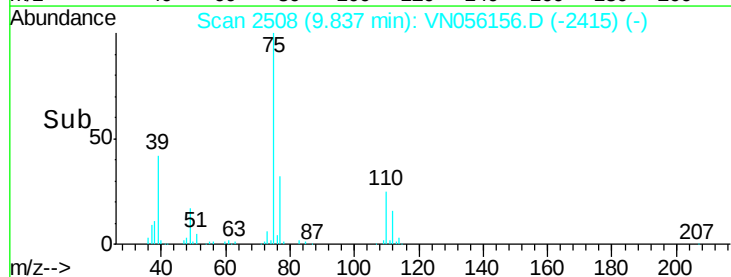
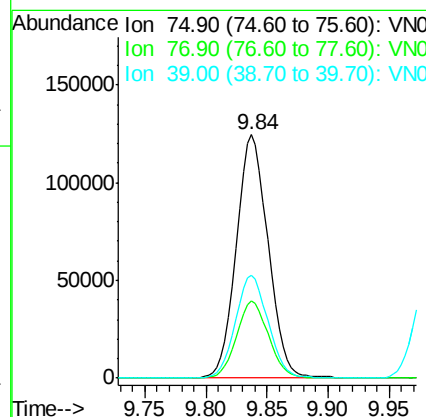
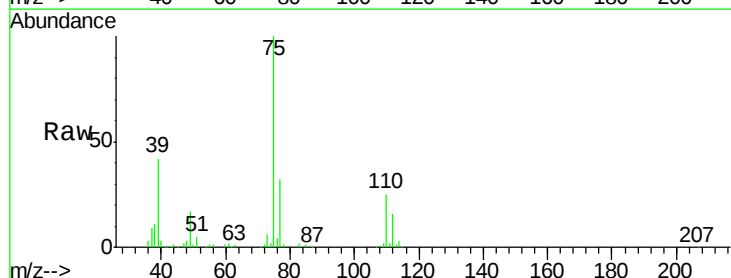
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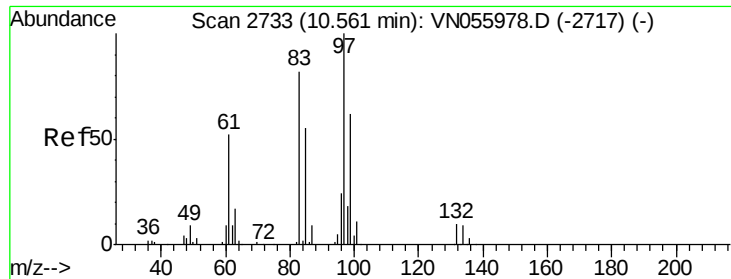
MMDadoda
6/11/2019 12:08:01 PM



#54
cis-1,3-Dichloropropene
Concen: 55.248 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	42.5	36.3	54.5





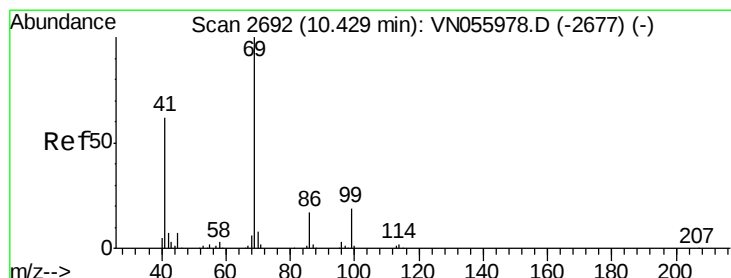
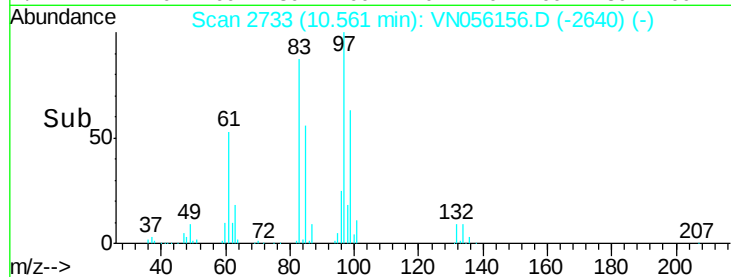
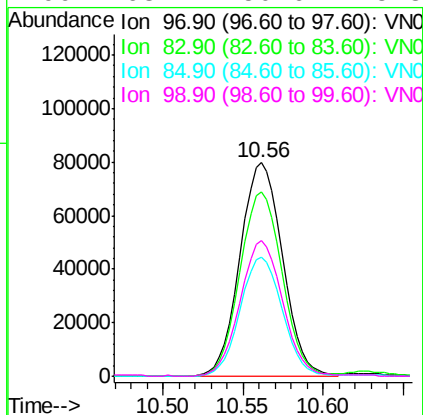
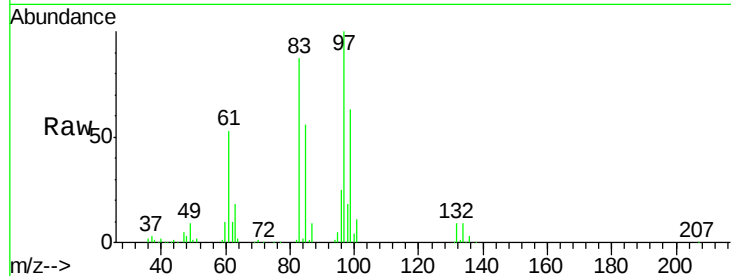
#55
 1,1,2-Trichloroethane
 Concen: 52.750 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	145601
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.0	100.6
85	55.8	44.0	66.0
99	63.2	50.6	75.8

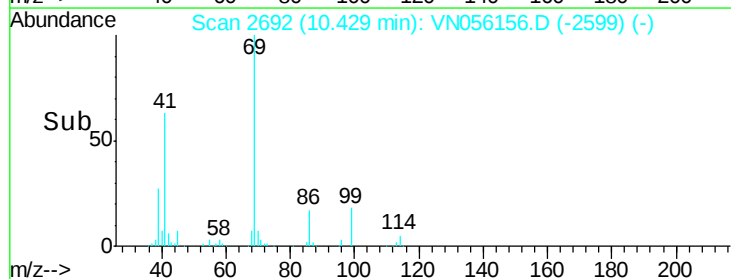
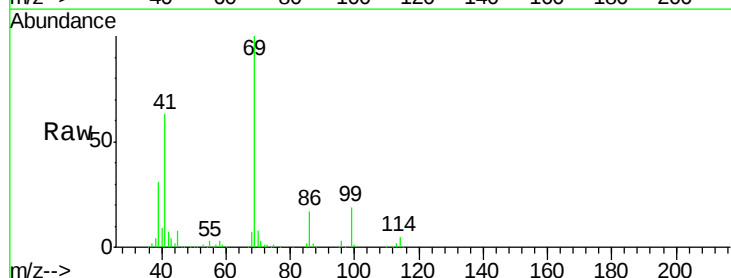
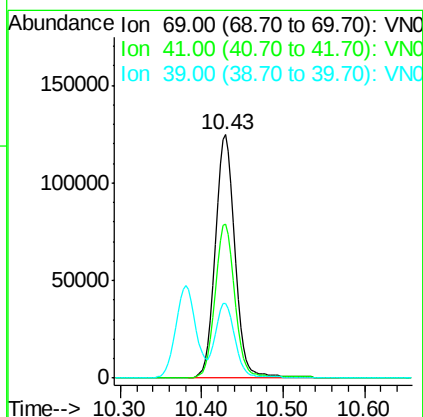
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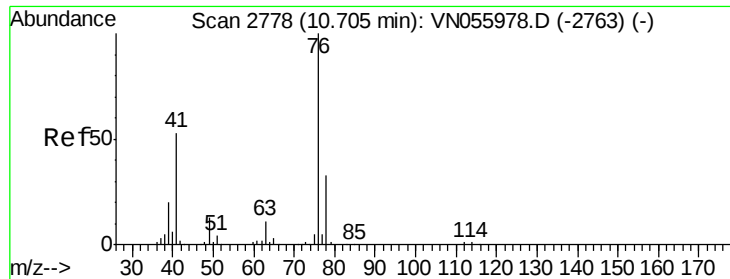
MMDadoda
 6/11/2019 12:08:01 PM



#56
 Ethyl methacrylate
 Concen: 53.436 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion:	69	Resp:	215175
Ion	Ratio	Lower	Upper
69	100		
41	62.5	49.7	74.5
39	29.9	24.7	37.1





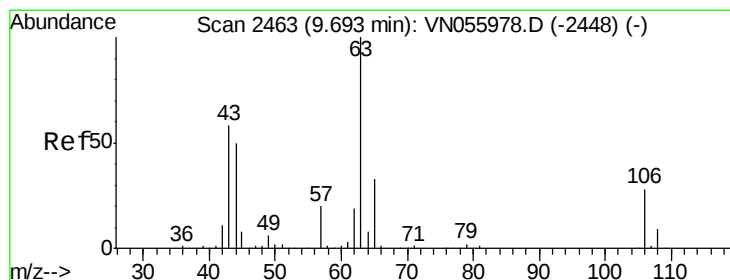
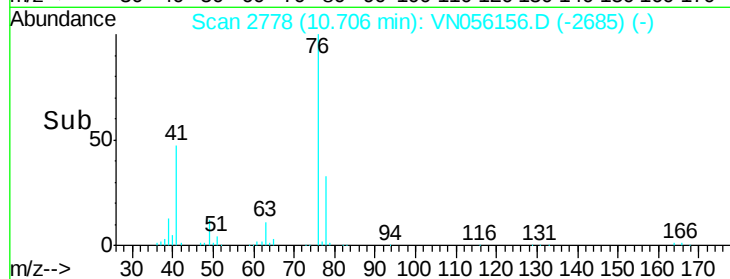
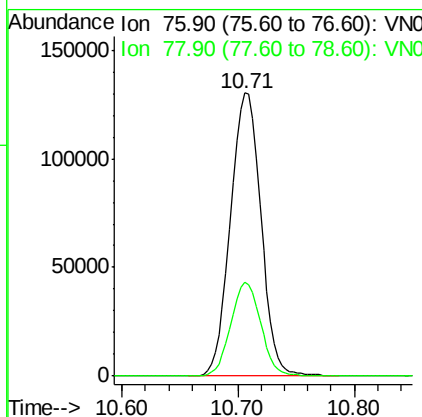
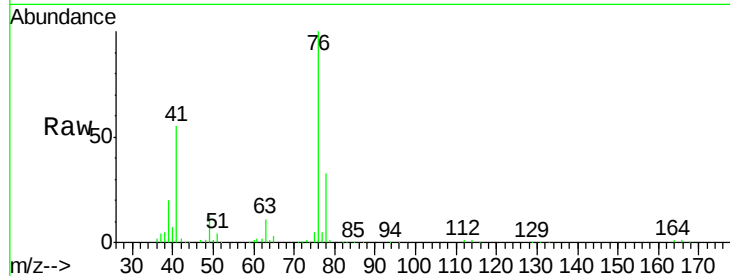
#57
 1,3-Dichloropropane
 Concen: 52.884 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

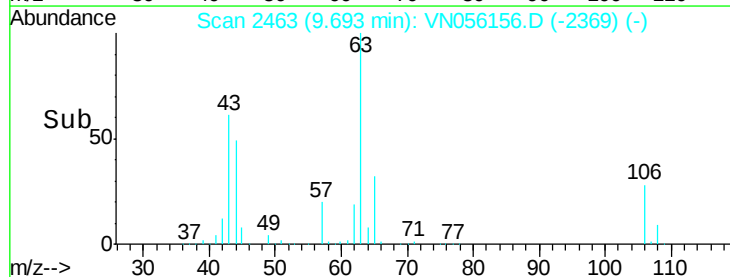
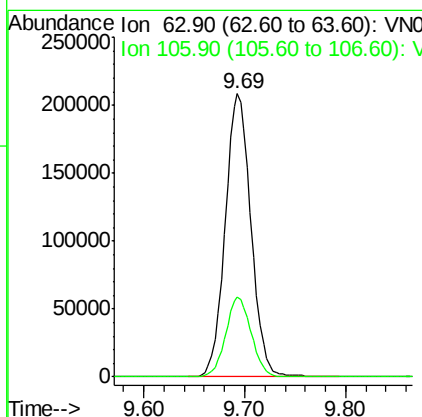
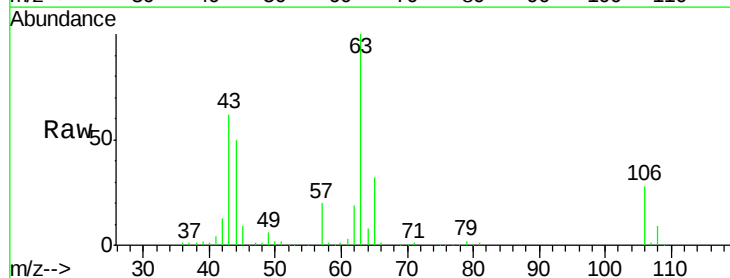
Manual Integrations
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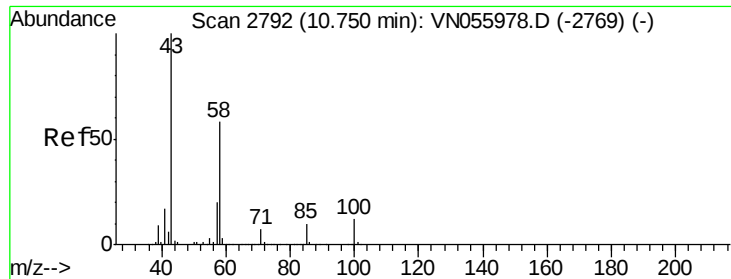
MMDadoda
 6/11/2019 12:08:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.519 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.7	34.1





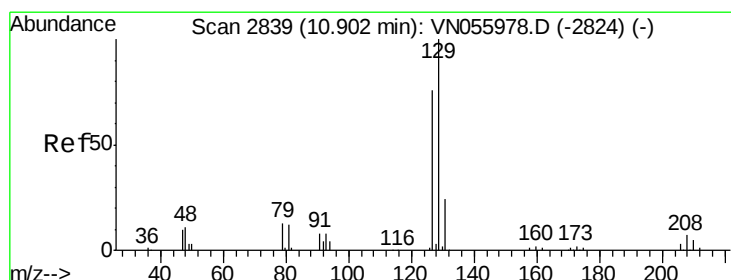
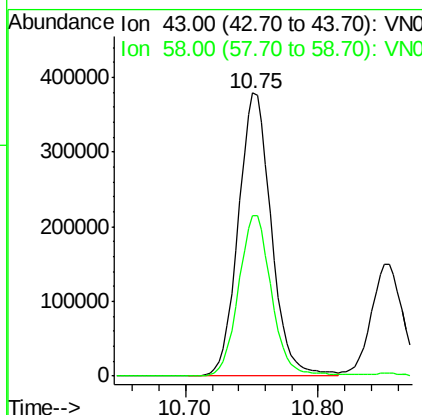
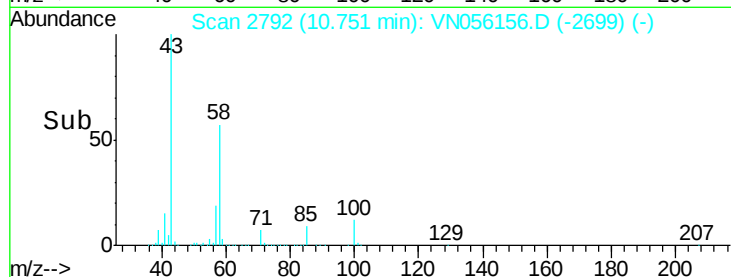
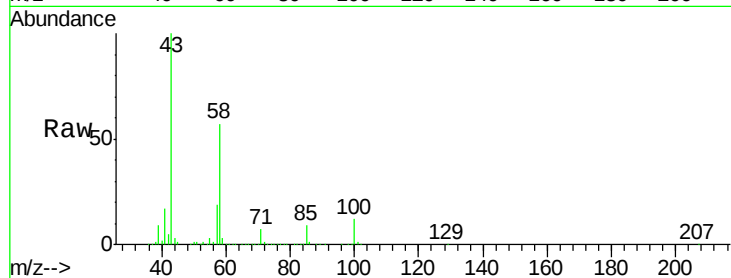
#59
2-Hexanone
Concen: 271.156 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 653321
Ion Ratio Lower Upper
43 100
58 57.0 28.2 84.7

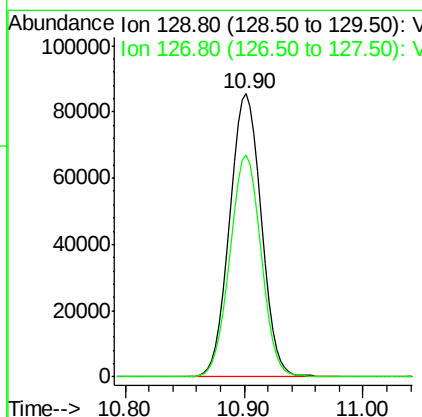
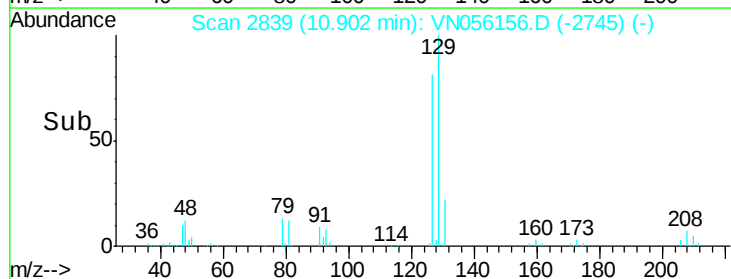
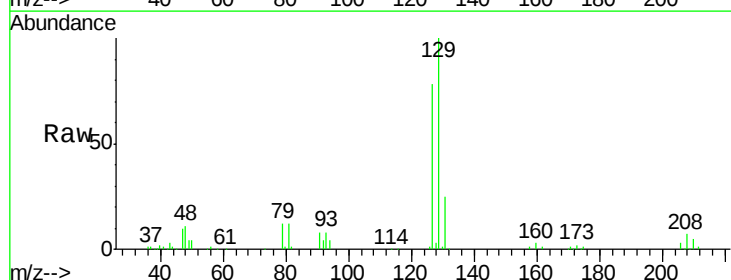
Manual Integrations
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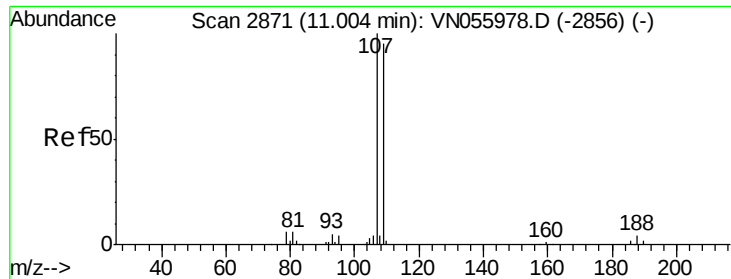
MMDadoda
6/11/2019 12:08:01 PM



#60
Dibromochloromethane
Concen: 51.835 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 129 Resp: 158087
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.3





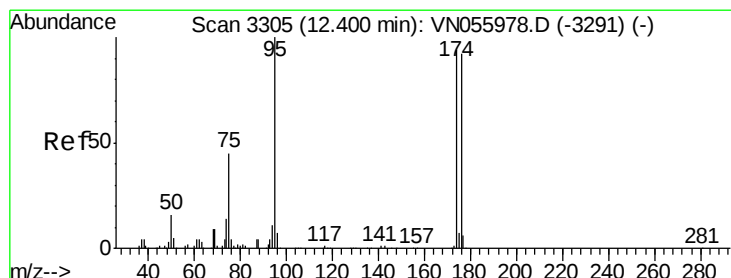
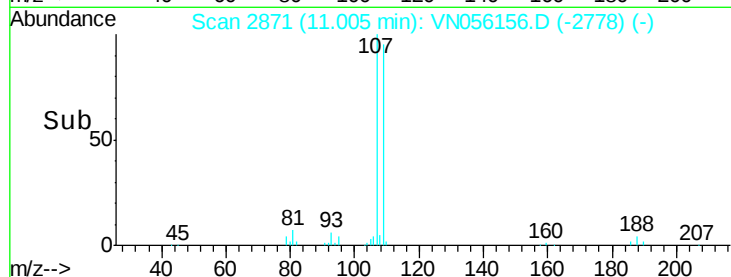
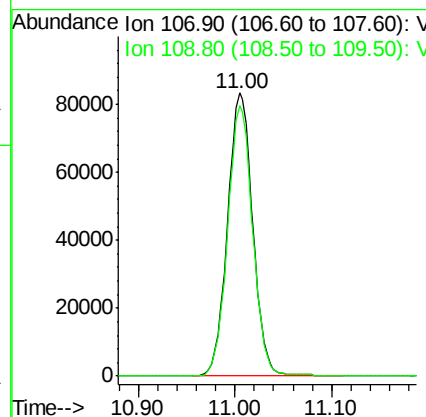
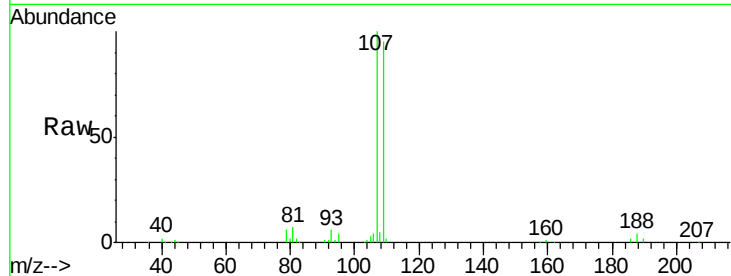
#61
1,2-Dibromoethane
Concen: 53.434 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	150777		
109	95.1	74.8	112.2	

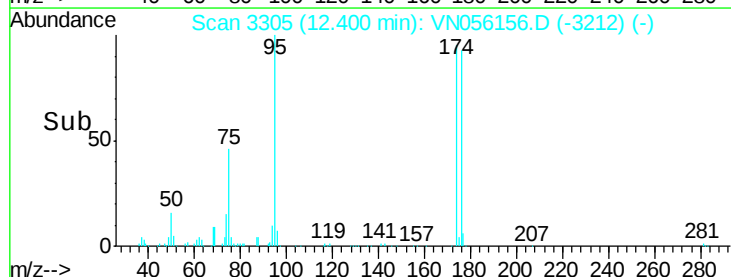
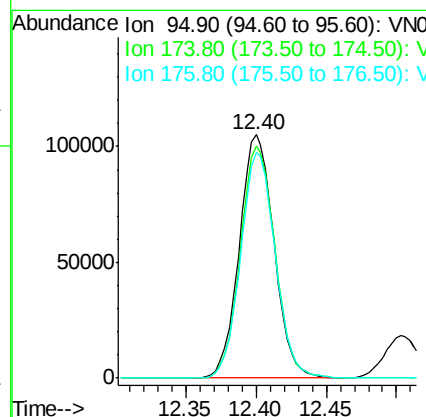
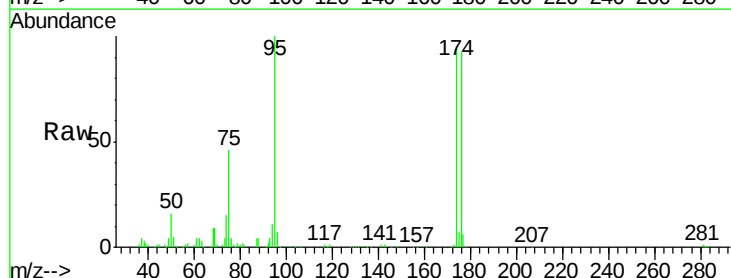
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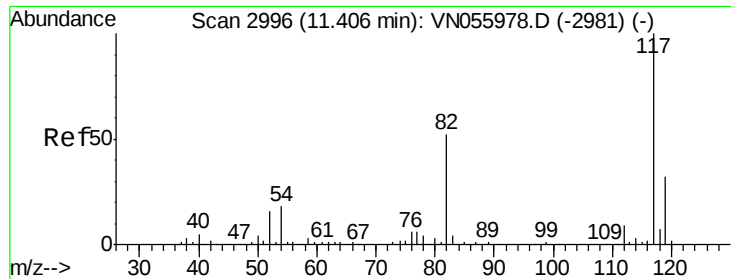
MMDadoda
6/11/2019 12:08:01 PM



#62
4-Bromofluorobenzene
Concen: 52.623 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	181159		
174	95.5	0.0	191.0	
176	92.6	0.0	185.2	





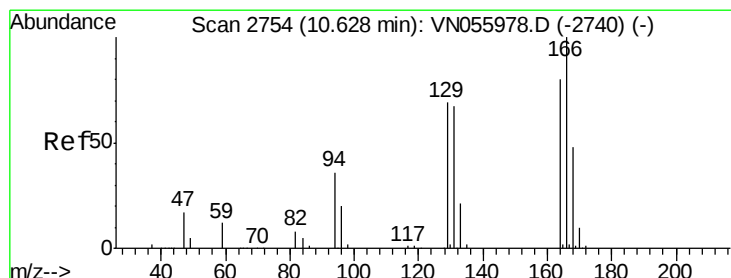
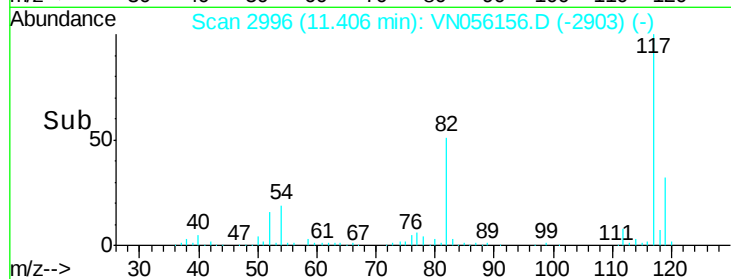
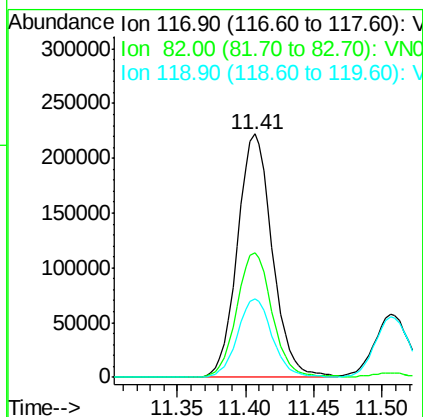
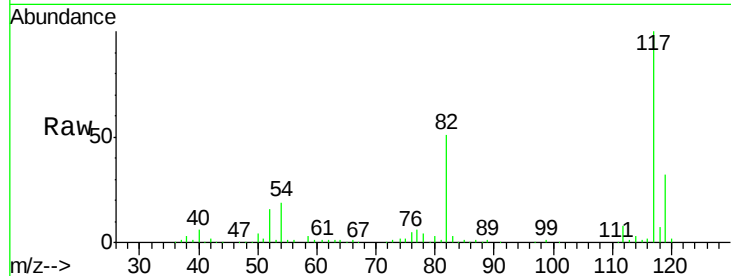
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.8	62.8
119	32.5	25.4	38.0

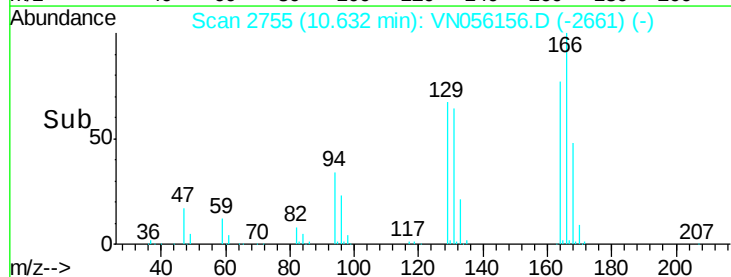
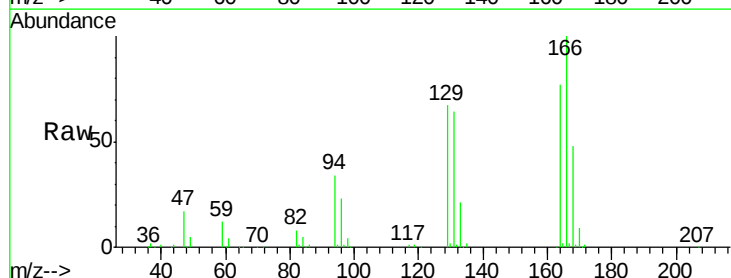
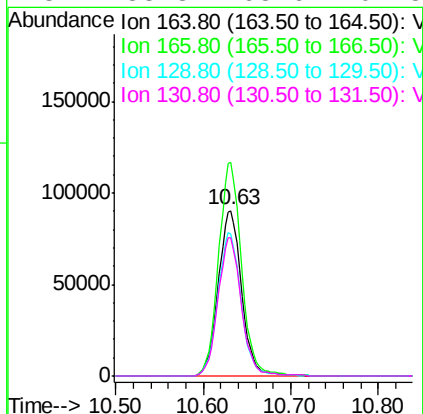
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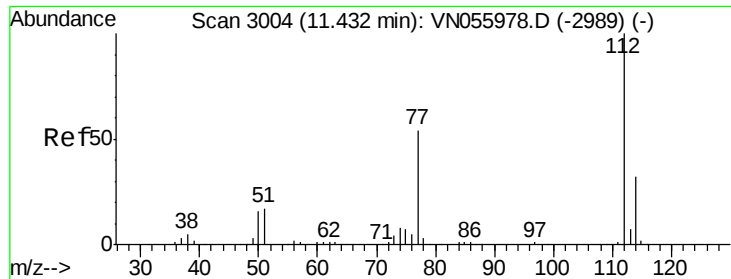
MMDadoda
6/11/2019 12:08:01 PM



#64
Tetrachloroethene
Concen: 48.857 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.0	154.6
129	85.9	70.6	105.8
131	83.3	68.6	102.8





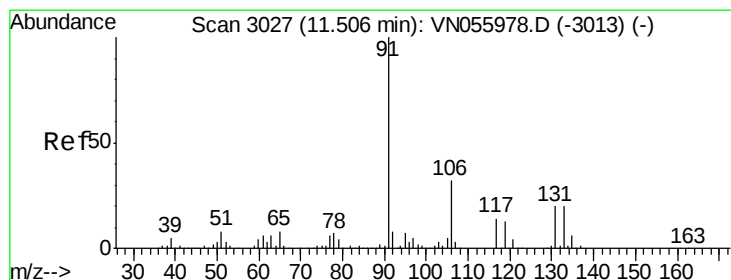
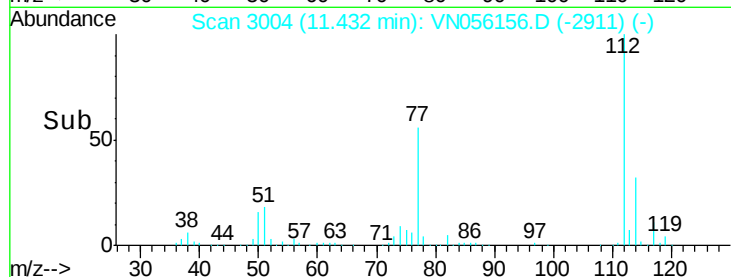
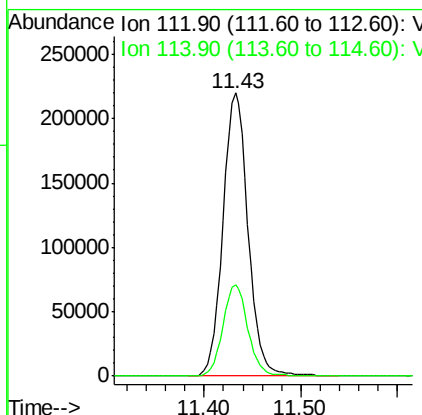
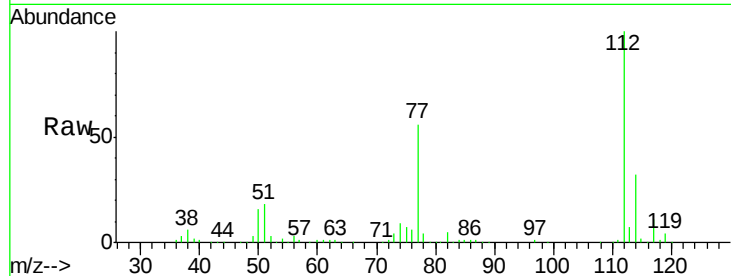
#65
Chlorobenzene
Concen: 50.612 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 397388
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

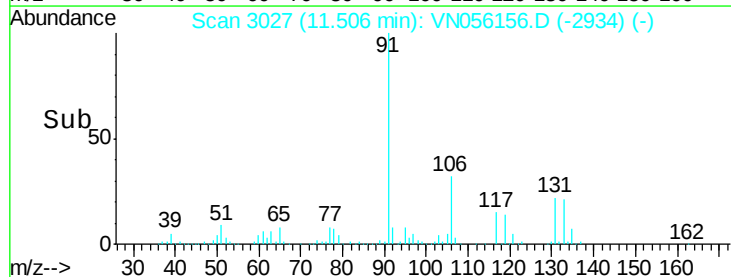
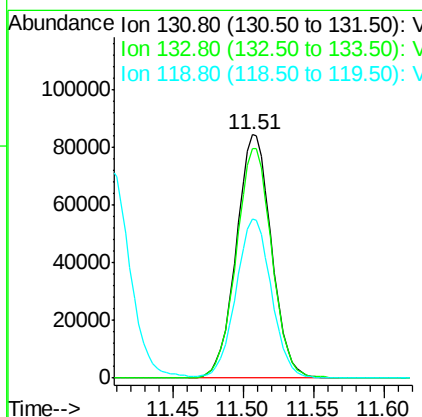
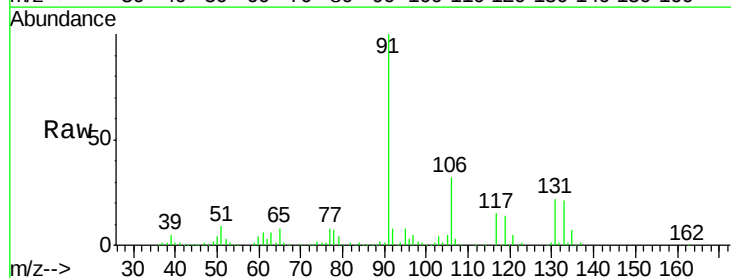
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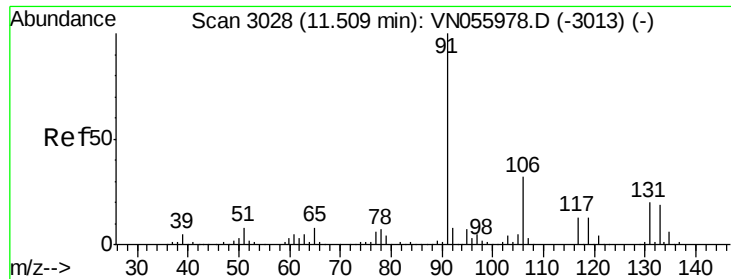
MMDadoda
6/11/2019 12:08:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.373 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion:131 Resp: 147409
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 66.0 33.1 99.5





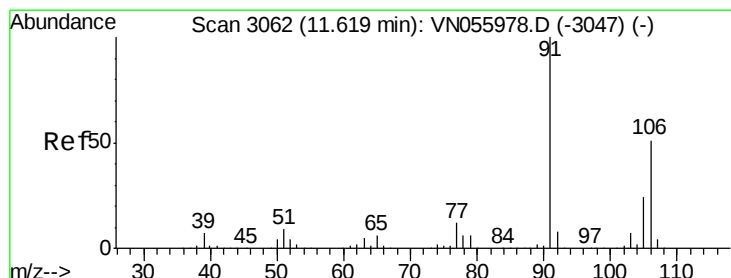
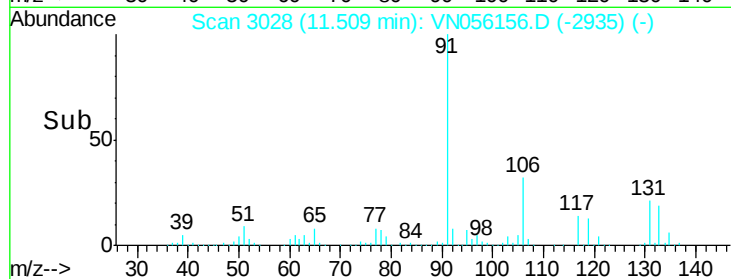
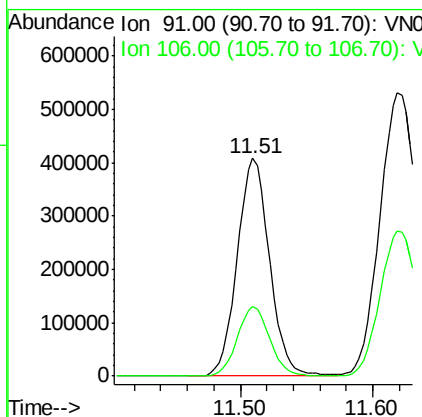
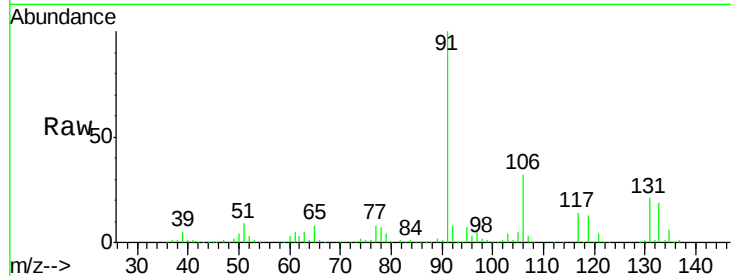
#67
Ethyl Benzene
Concen: 50.677 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 691884
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7

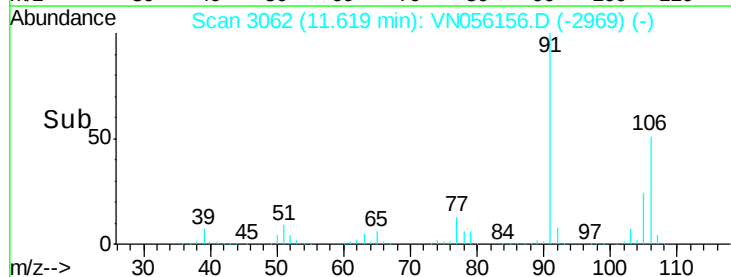
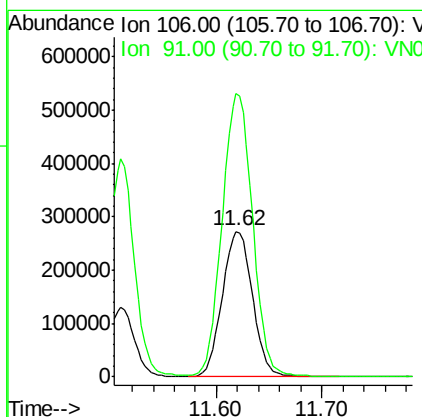
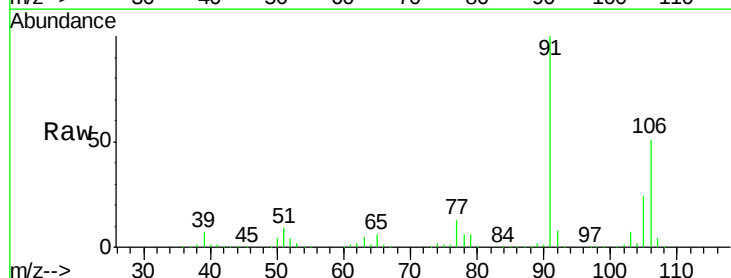
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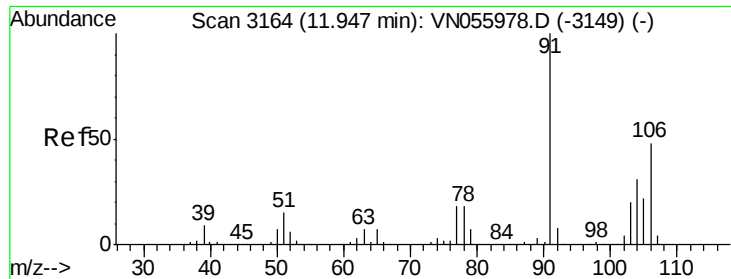
MMDadoda
6/11/2019 12:08:01 PM



#68
m/p-Xylenes
Concen: 103.957 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 106 Resp: 542189
Ion Ratio Lower Upper
106 100
91 196.0 159.3 238.9





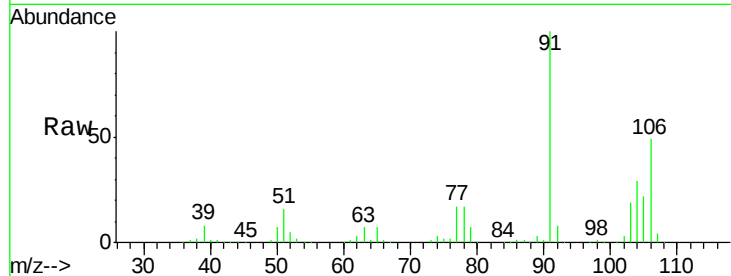
#69
o-Xylene
Concen: 51.342 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

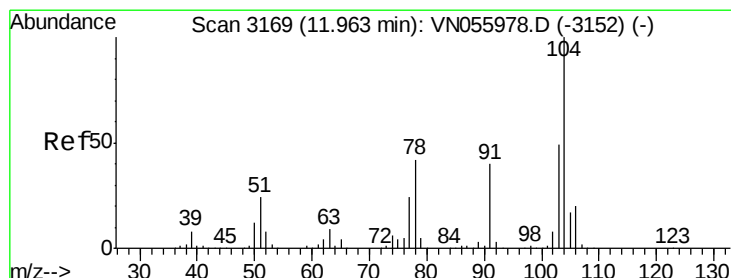
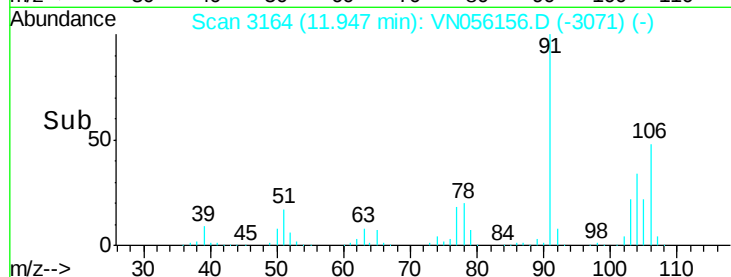
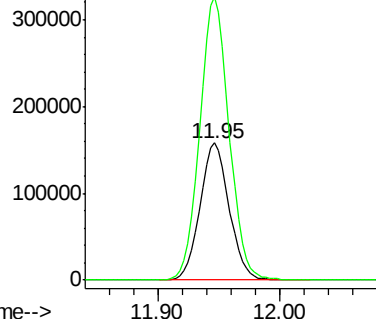
Tot Ion:106 Resp: 263397
Ion Ratio Lower Upper
106 100
91 206.8 104.7 314.1

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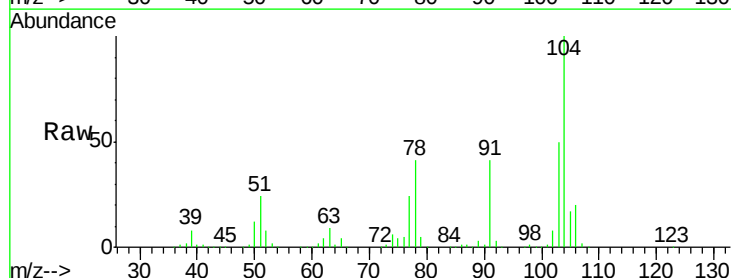


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

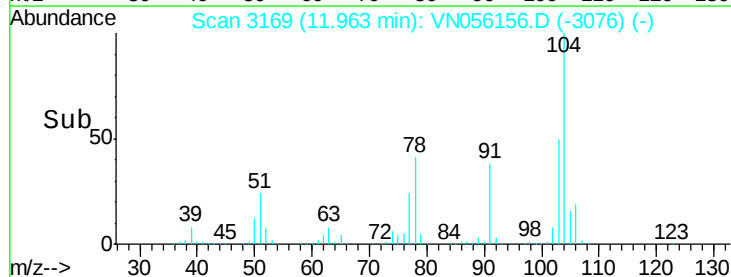
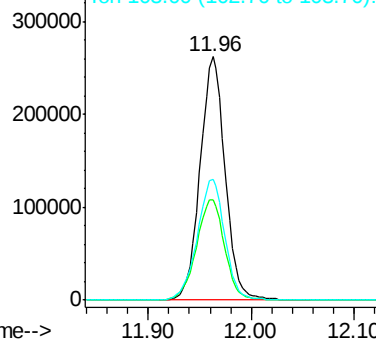


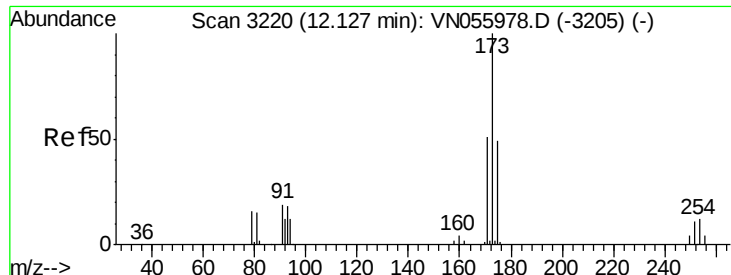
#70
Styrene
Concen: 54.616 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion:104 Resp: 445193
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 54.6 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





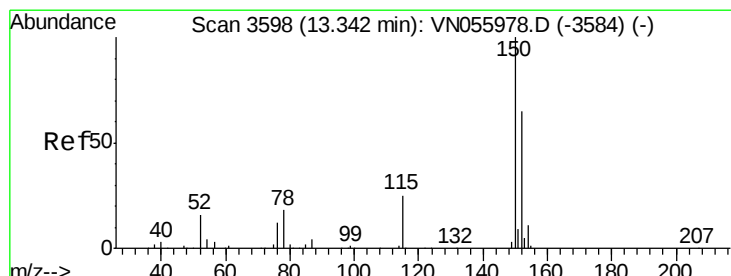
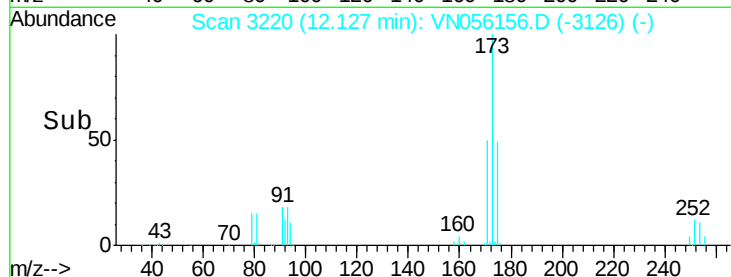
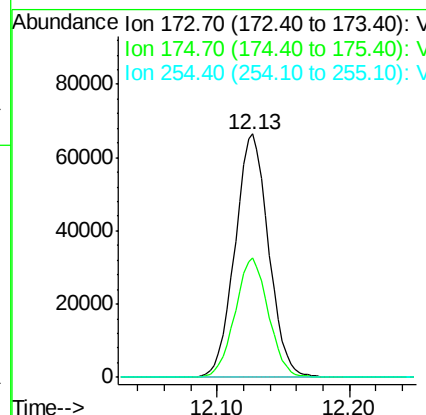
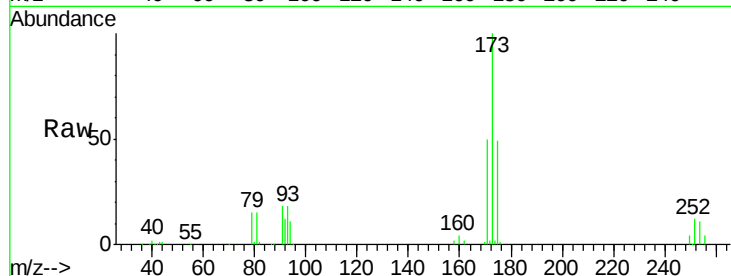
#71
Bromoform
Concen: 51.166 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.0	0.0	0.0

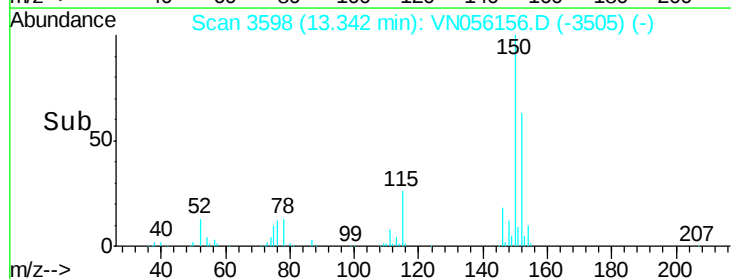
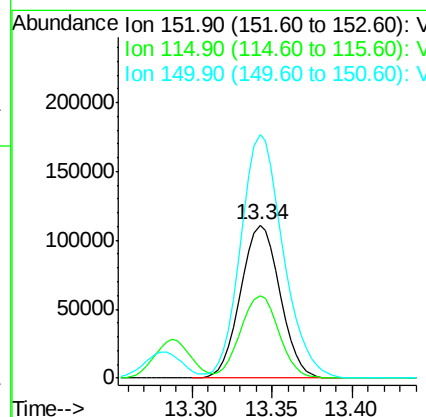
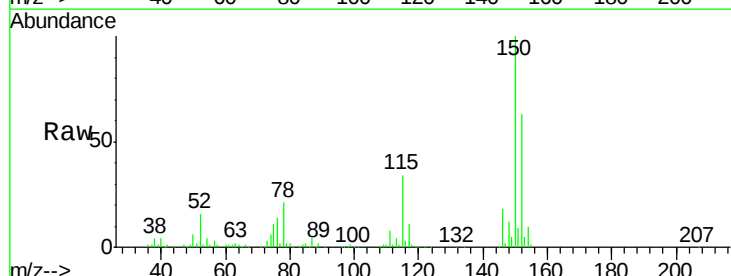
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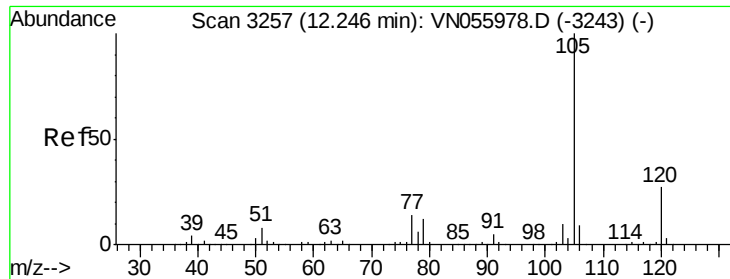
MMDadoda
6/11/2019 12:08:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	27.0	81.0
150	171.7	0.0	343.2





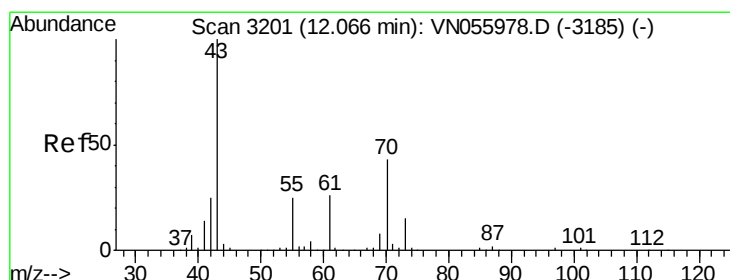
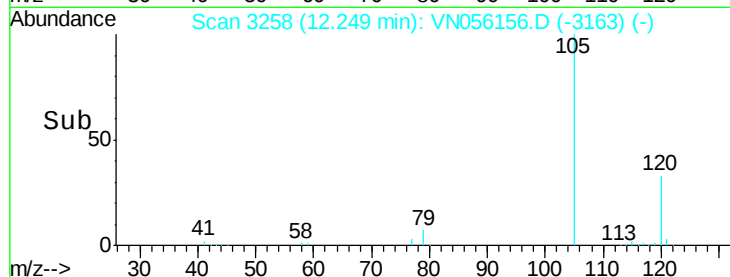
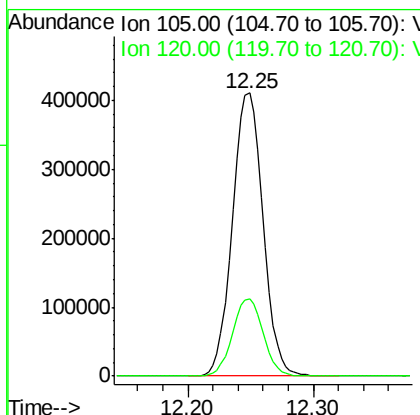
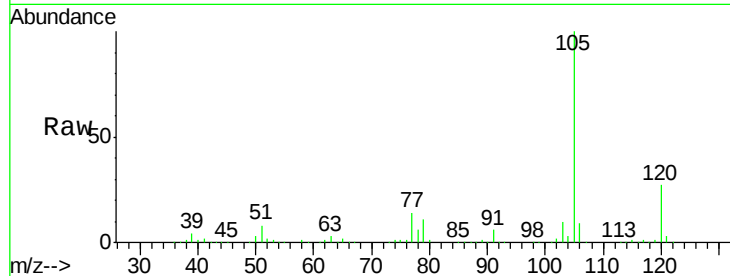
#73
Isopropylbenzene
Concen: 52.632 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 696280
Ion Ratio Lower Upper
105 100
120 27.4 13.6 40.7

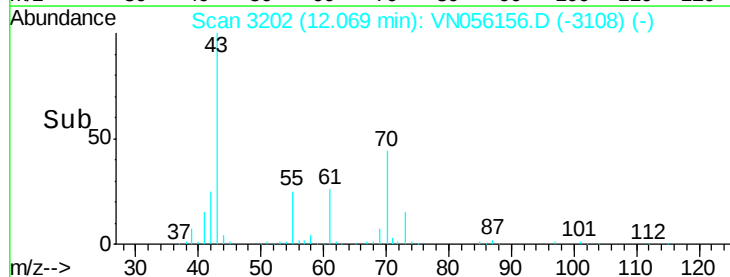
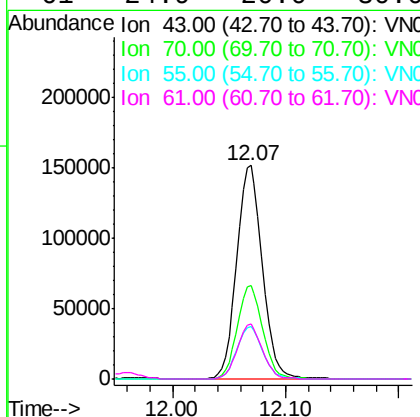
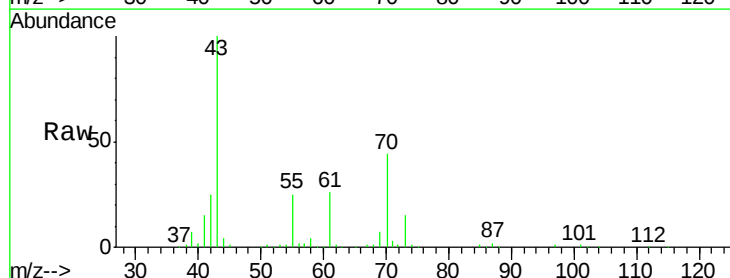
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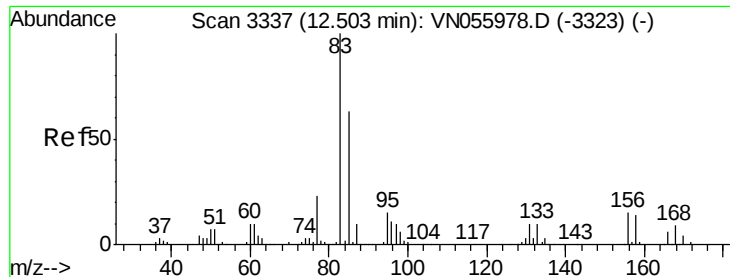
MMDadoda
6/11/2019 12:08:01 PM



#74
N-ethyl acetate
Concen: 48.481 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion: 43 Resp: 240429
Ion Ratio Lower Upper
43 100
70 43.3 34.0 51.0
55 24.9 18.6 28.0
61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.042 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

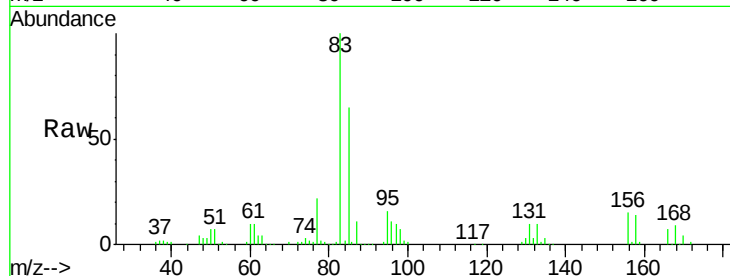
ClientSampleId :

VSTDCCC050

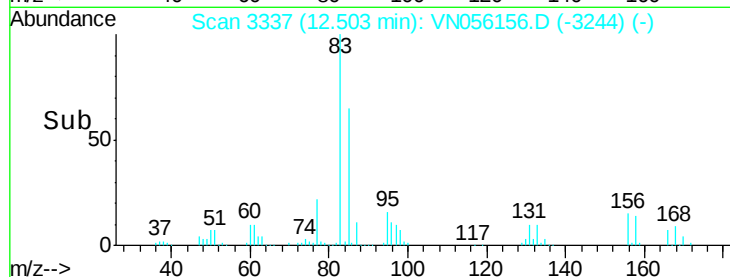
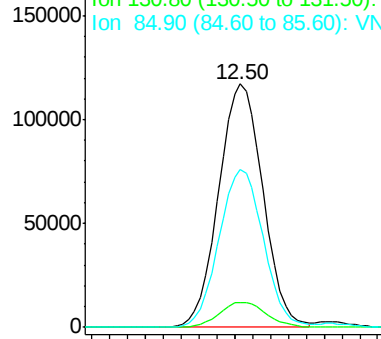
Tot Ion:	83	Resp:	203169
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	65.1	32.4	97.0

Manual Integrations
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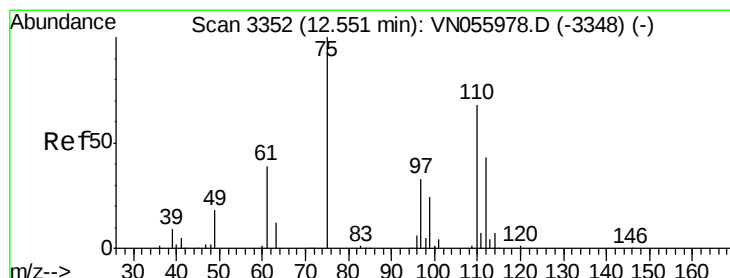
MMDadoda
6/11/2019 12:08:01 PM



Abundance Ion 82.90 (82.60 to 83.60): VN056156.D (-3244) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 47.546 ug/l m

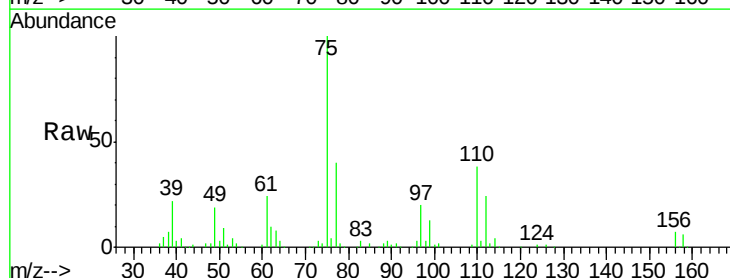
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

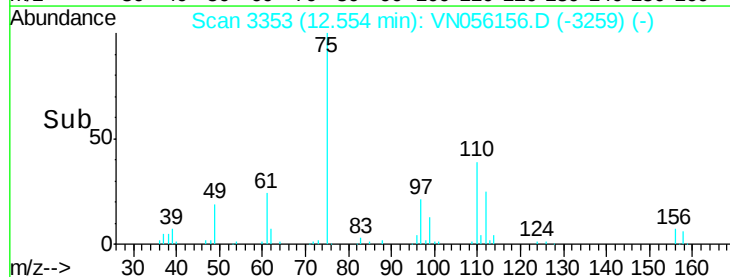
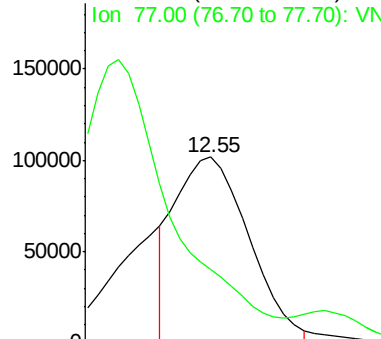
Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

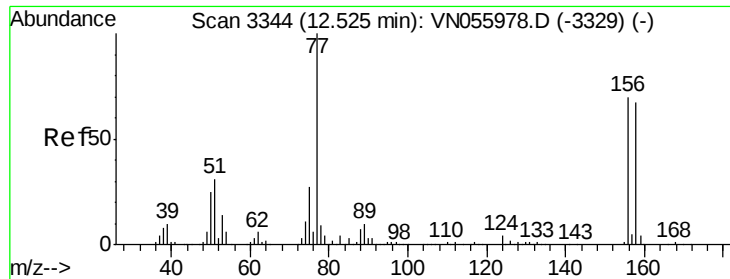
Tgt Ion:	75	Resp:	162764
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056156.D (-3259) (-)



Time-->



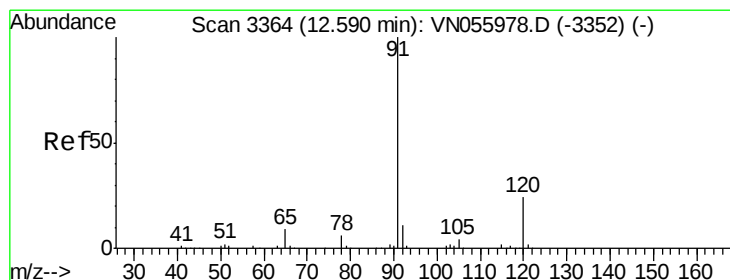
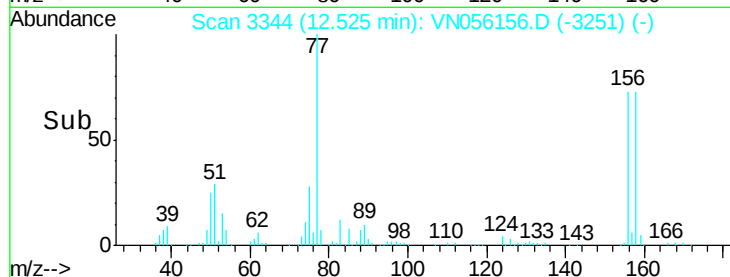
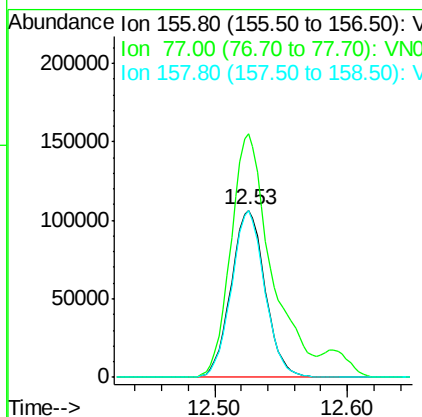
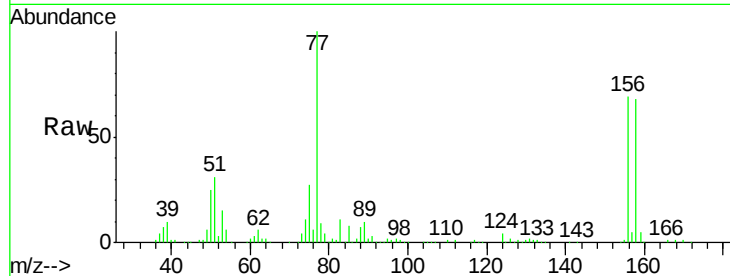
#77
Bromobenzene
Concen: 47.485 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.5	90.8	272.5
158	97.5	49.3	147.8

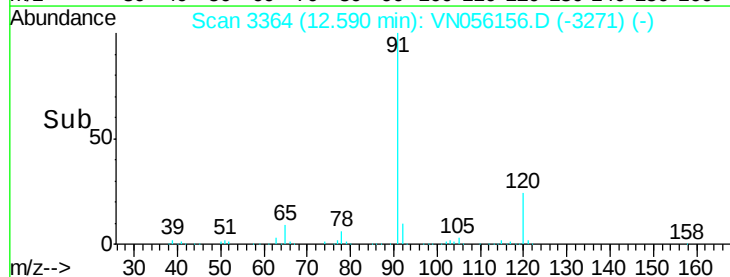
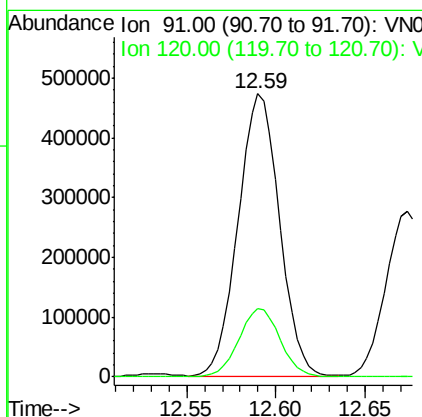
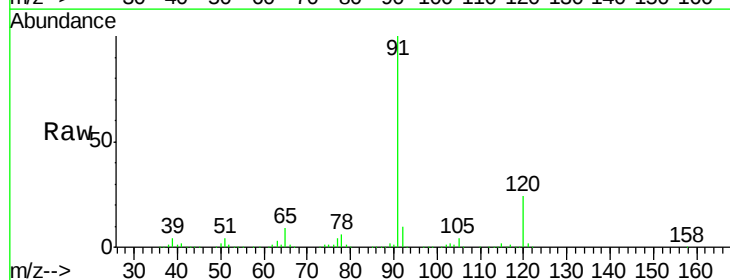
Manual Integrations
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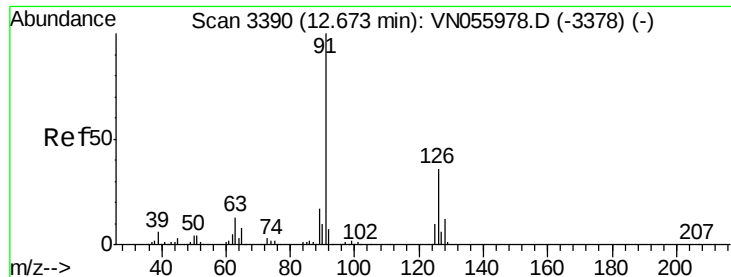
MMDadoda
6/11/2019 12:08:01 PM



#78
n-propylbenzene
Concen: 48.368 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 53.088 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 462206

Ion Ratio Lower Upper

91 100

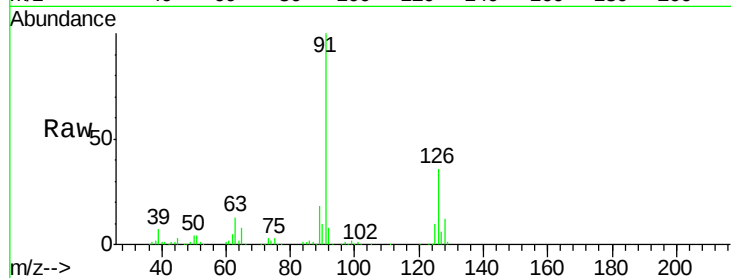
126 35.8 18.1 54.4

Manual Integrations

APPROVED

MMDadoda

6/11/2019 12:08:01 PM

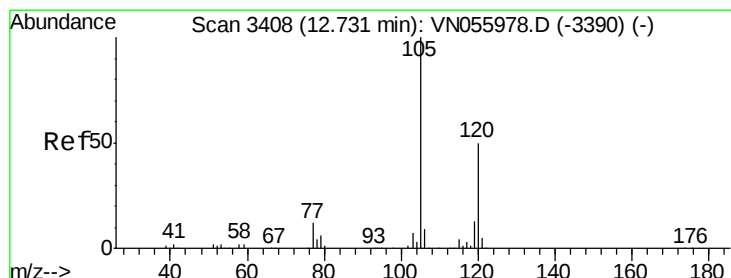
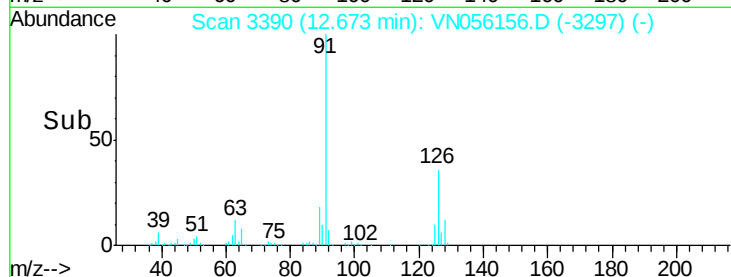


Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)

12.67

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 46.816 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056156.D

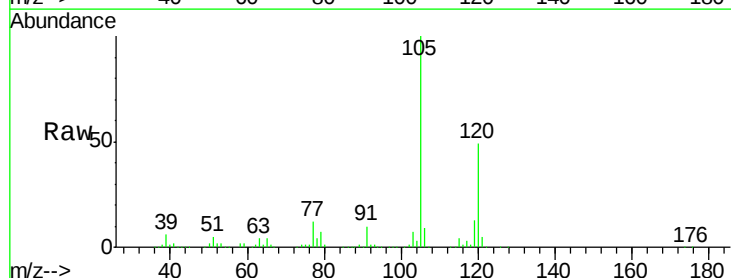
Acq: 10 Jun 2019 9:25

Tgt Ion: 105 Resp: 585619

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1

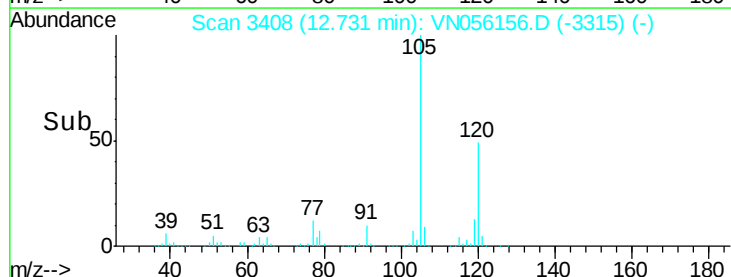


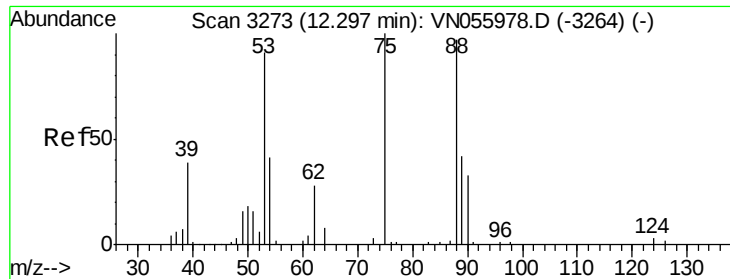
Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)

12.73

Time--> 12.70 12.80





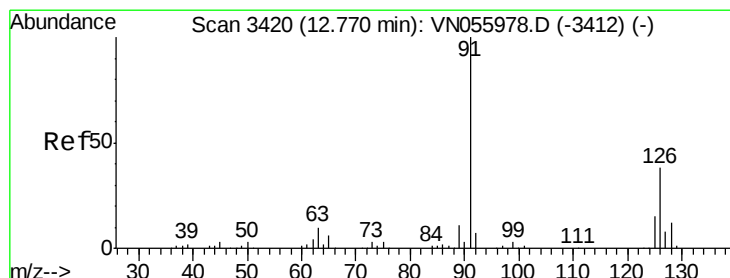
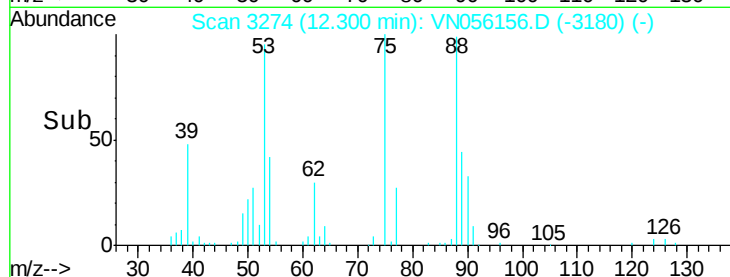
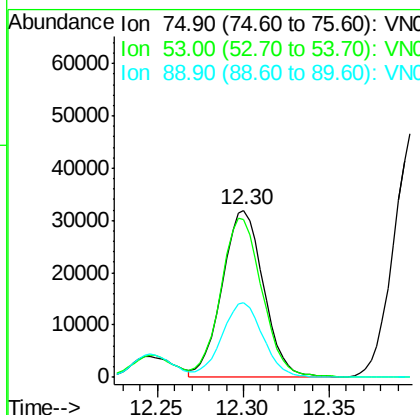
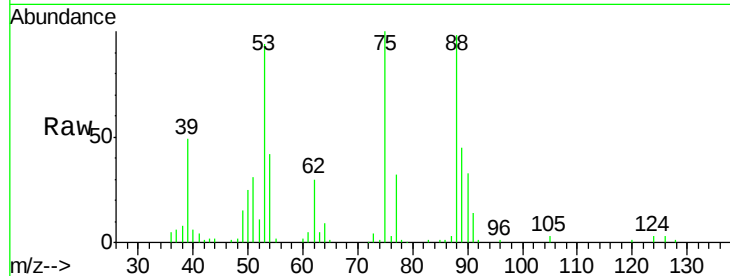
#81
trans-1,4-Dichloro-2-butene
Concen: 52.130 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	68.1	102.1
89	44.2	36.9	55.3

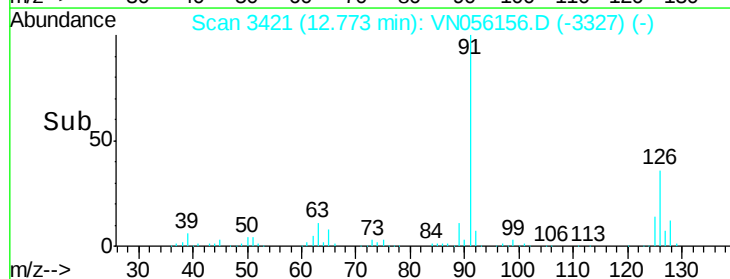
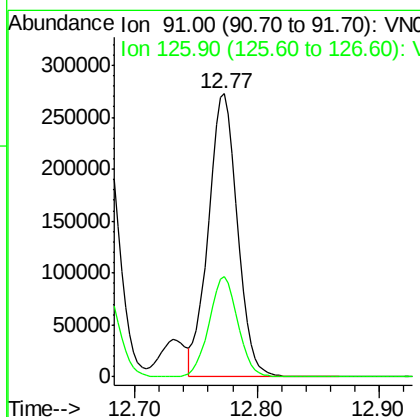
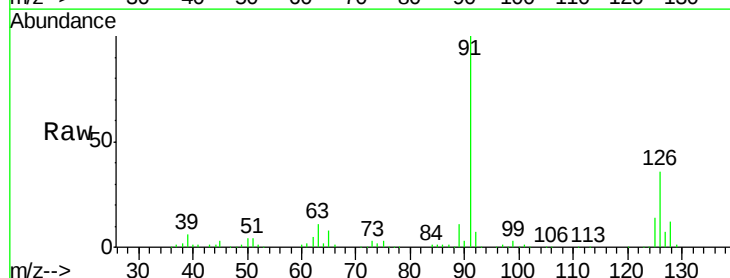
Manual Integrations
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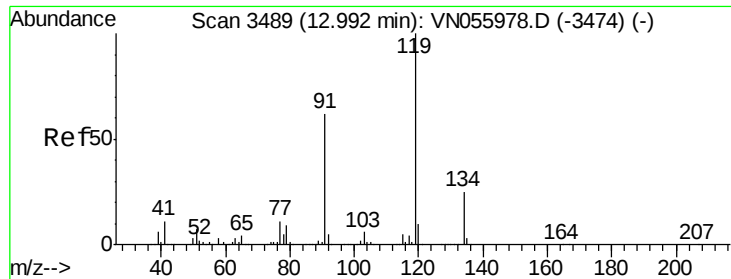
MMDadoda
6/11/2019 12:08:01 PM



#82
4-Chlorotoluene
Concen: 49.434 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.3





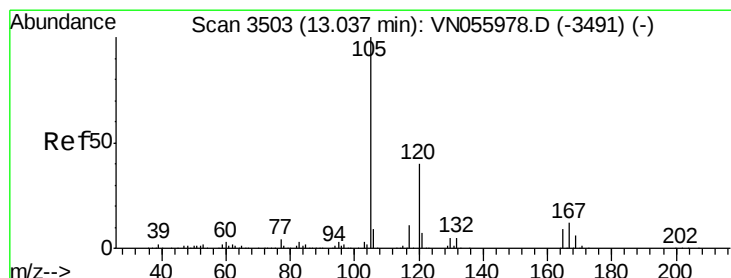
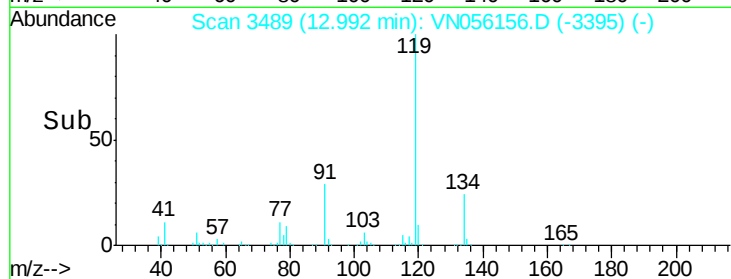
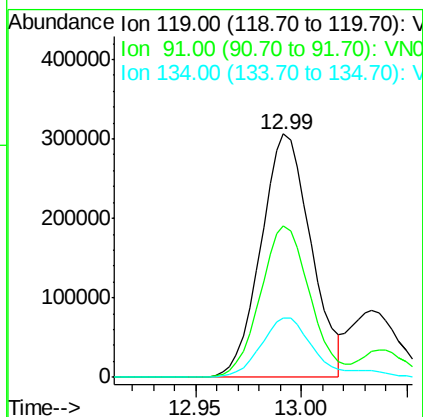
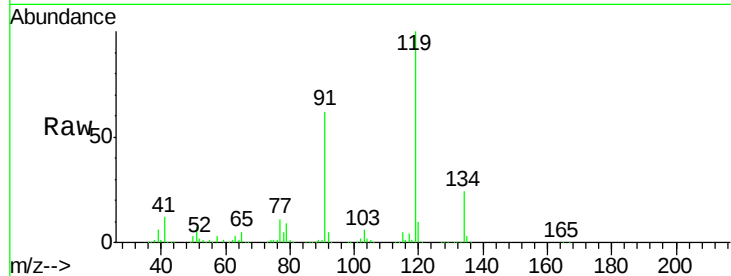
#83
tert-Butylbenzene
Concen: 52.174 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.9	92.8
134	24.8	13.3	39.8

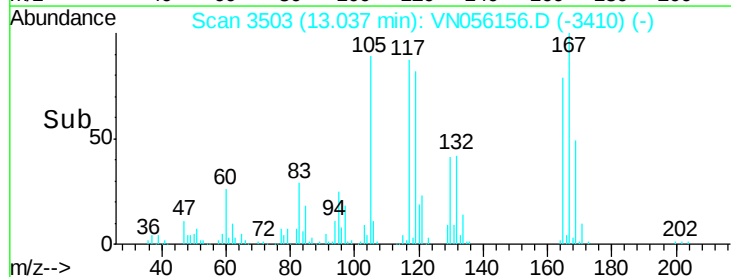
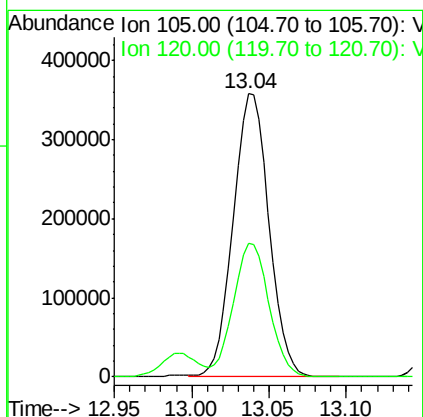
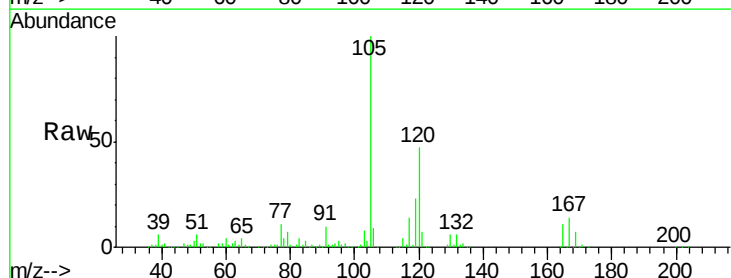
Manual Integrations
APPROVED

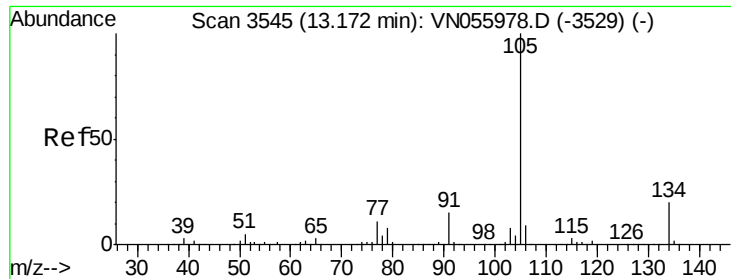
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.344 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.0	69.0





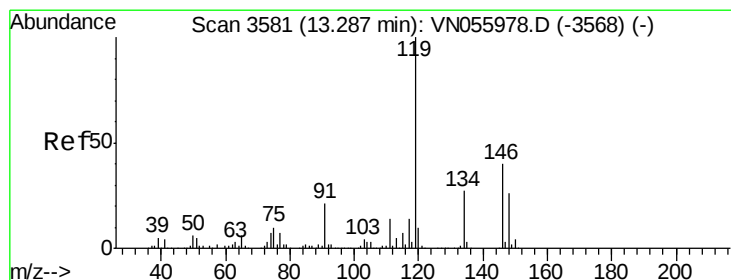
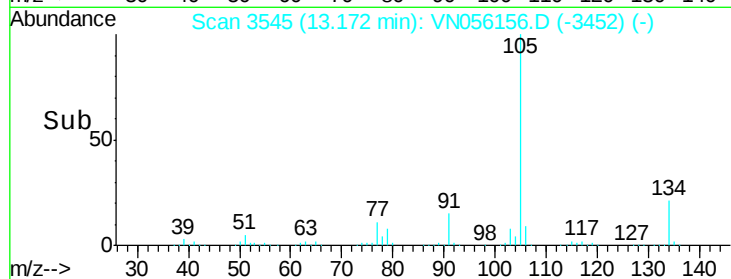
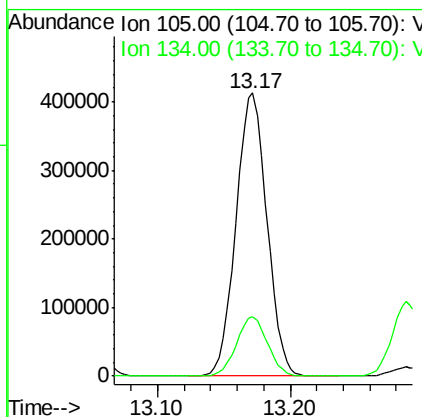
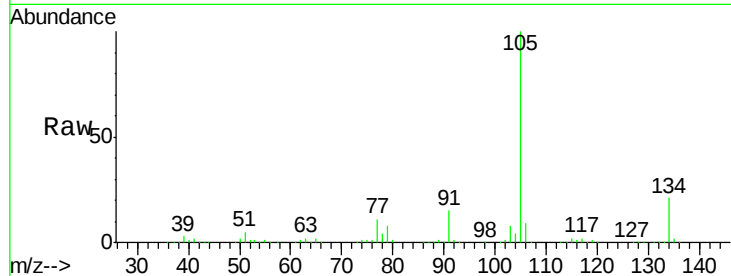
#85
 sec-Butylbenzene
 Concen: 47.948 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 668329
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.2

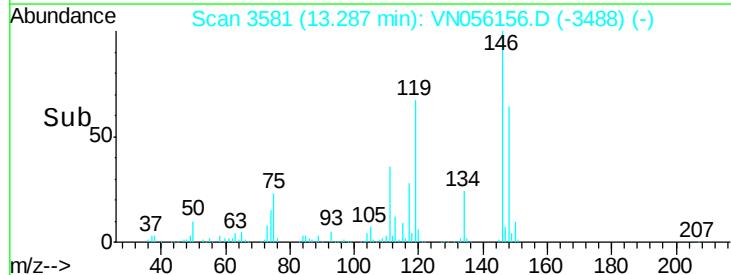
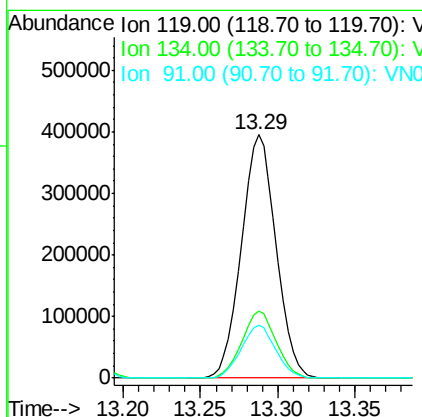
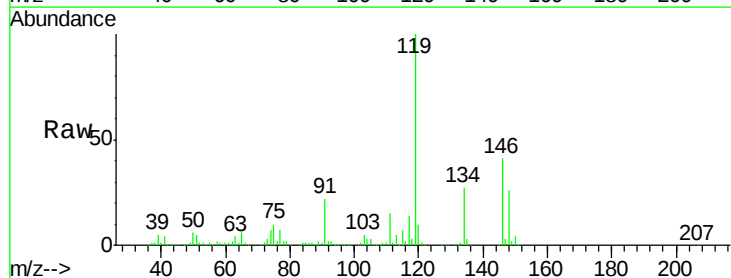
Manual Integrations
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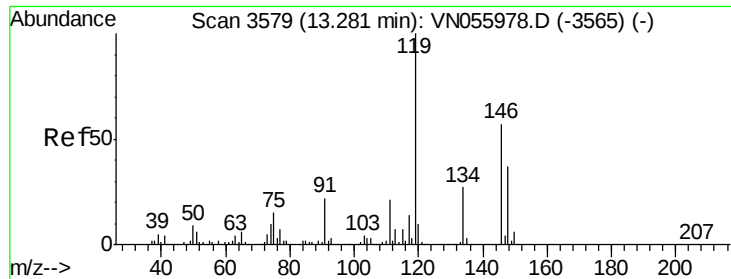
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 6/11/2019 12:08:01 PM



#86
 p-Isopropyltoluene
 Concen: 49.113 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion:119 Resp: 612659
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.4 40.1
 91 21.5 10.9 32.9





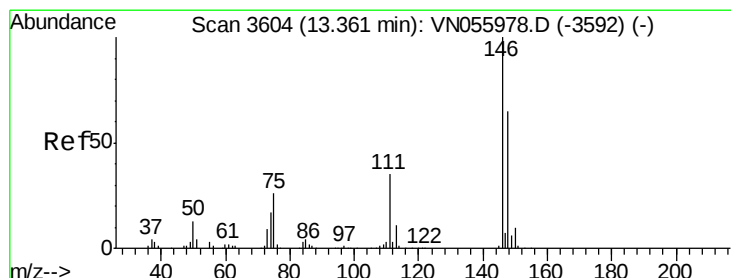
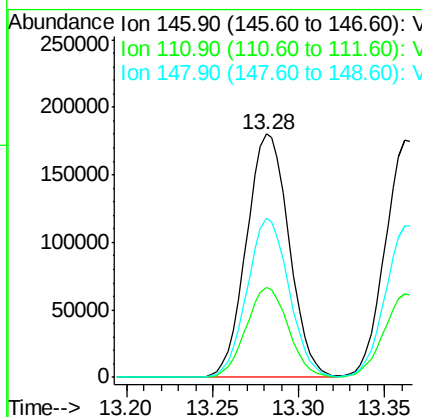
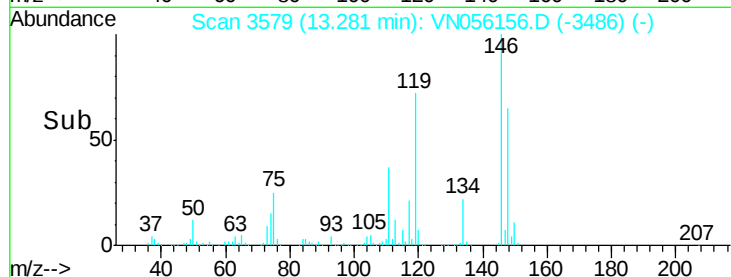
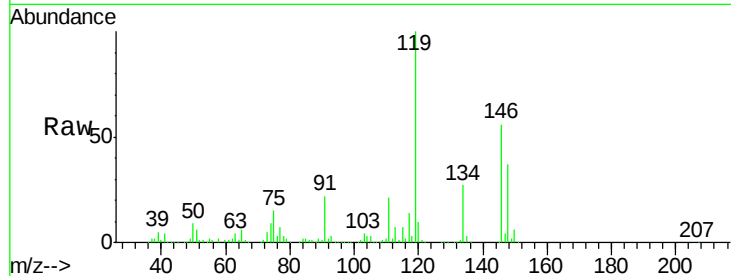
#87
 1,3-Dichlorobenzene
 Concen: 50.377 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	310560		
111	36.4	18.5	55.5	
148	64.1	32.0	96.2	

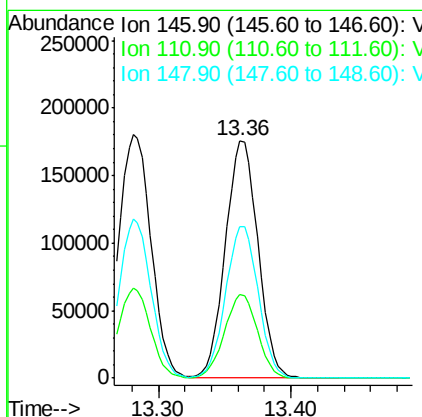
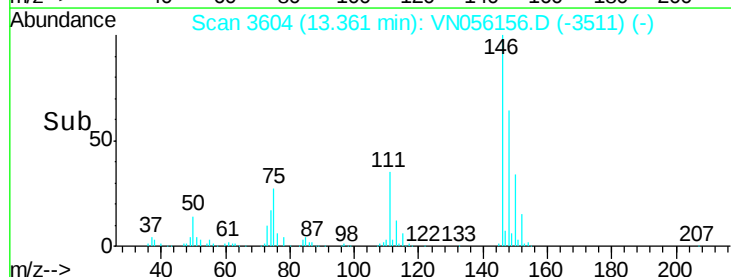
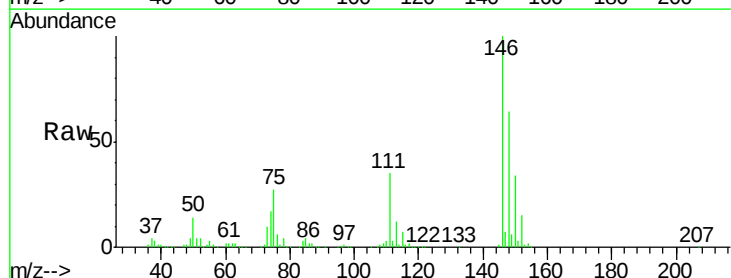
Manual Integrations
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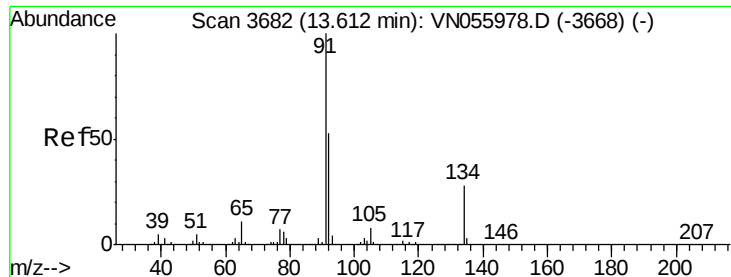
MMDadoda
 6/11/2019 12:08:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.648 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	300358		
111	35.8	18.1	54.4	
148	64.0	32.1	96.5	





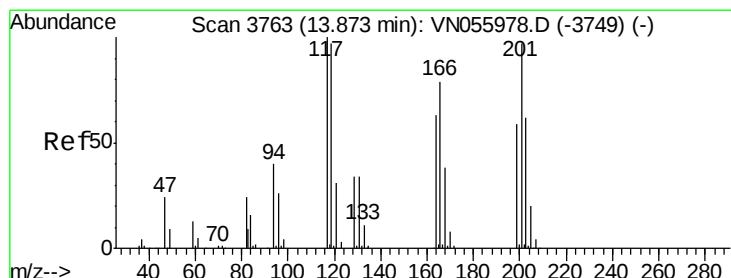
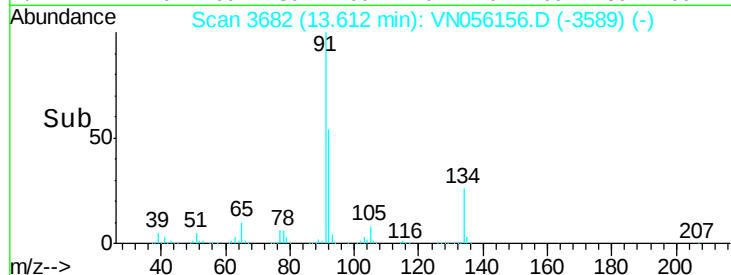
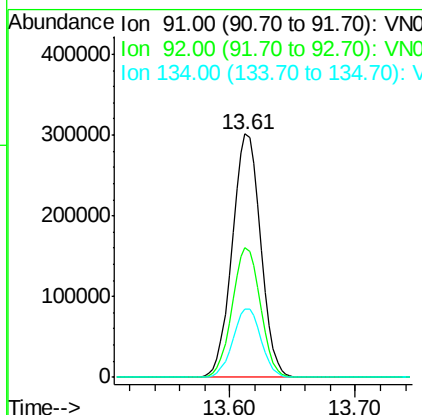
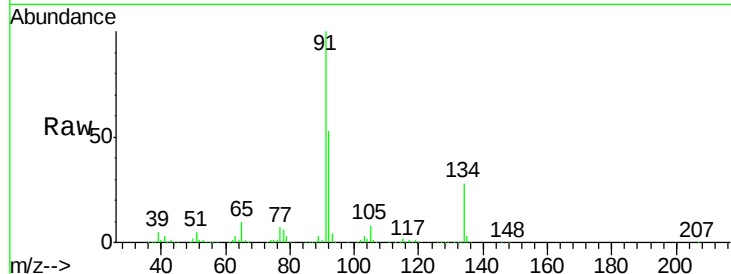
#89
n-Butylbenzene
Concen: 51.290 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.0
134	28.1	13.9	41.7

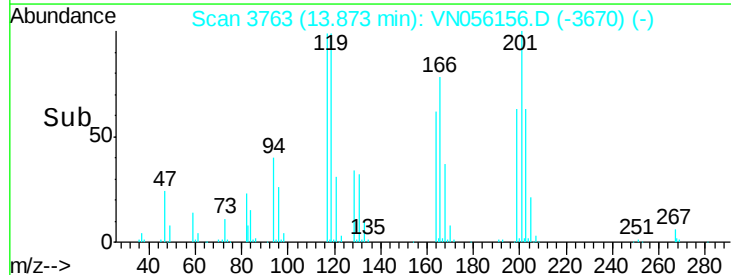
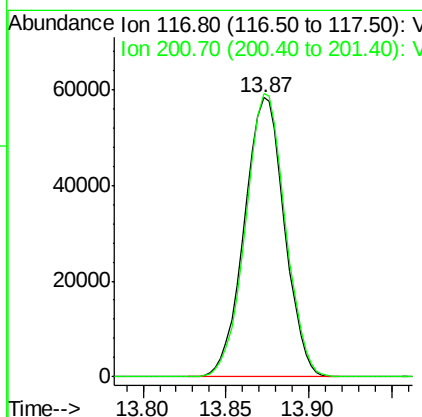
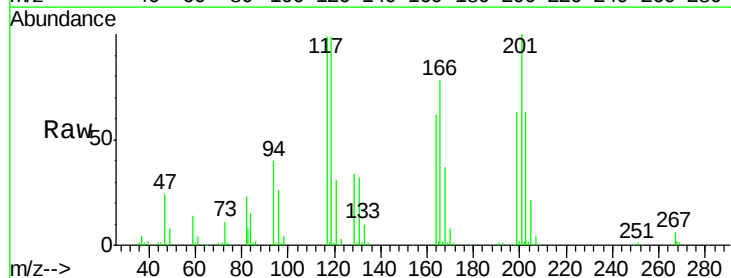
Manual Integrations
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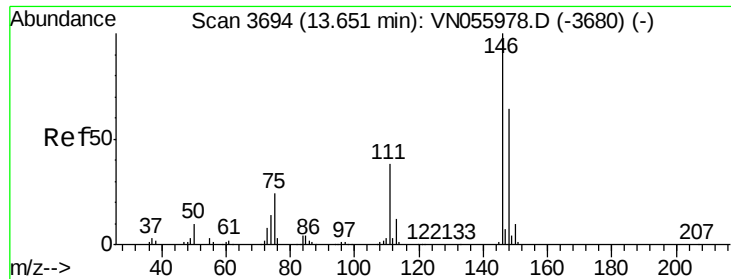
MMDadoda
6/11/2019 12:08:01 PM



#90
Hexachloroethane
Concen: 52.076 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056156.D
Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.3	50.0	150.0





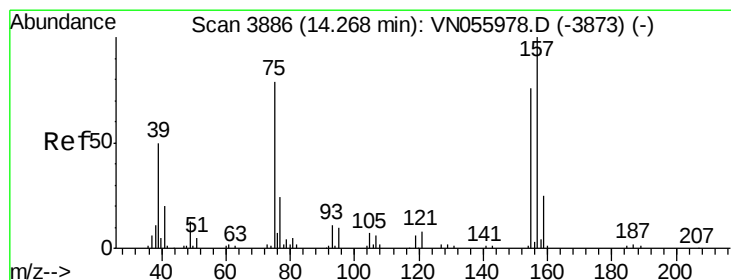
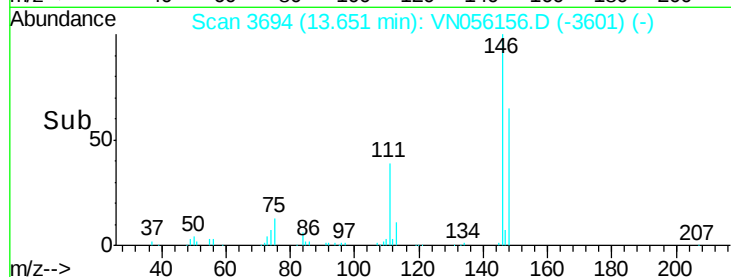
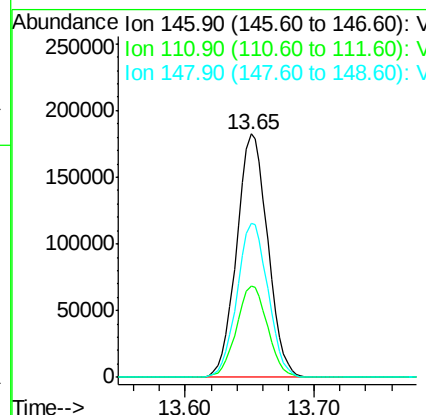
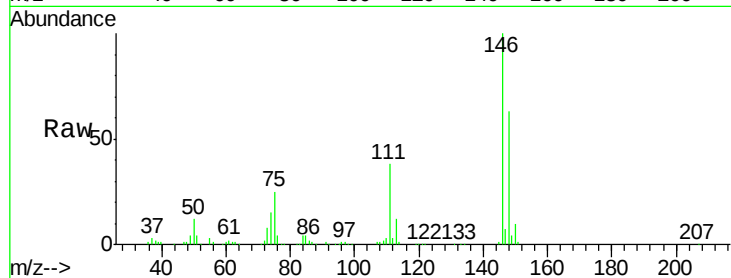
#91
 1,2-Dichlorobenzene
 Concen: 48.920 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	63.4	31.9	95.9

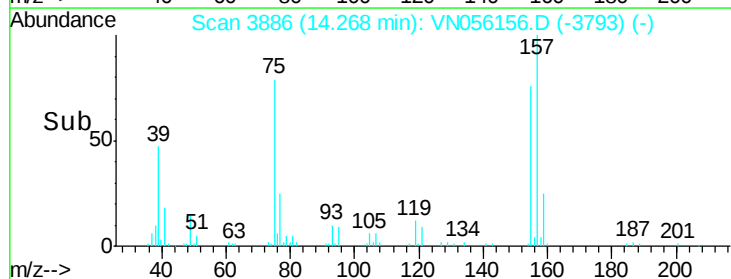
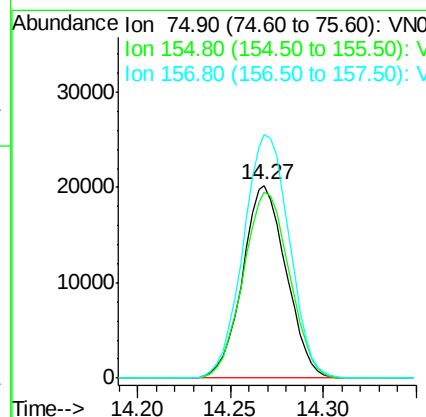
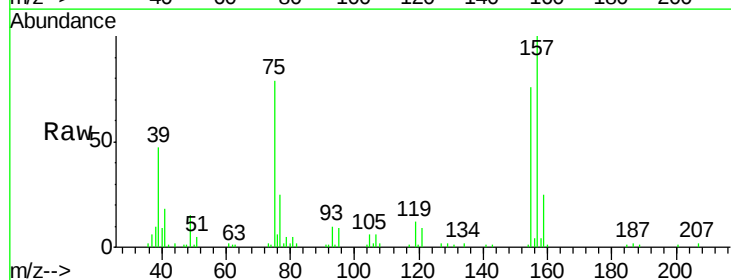
Manual Integrations
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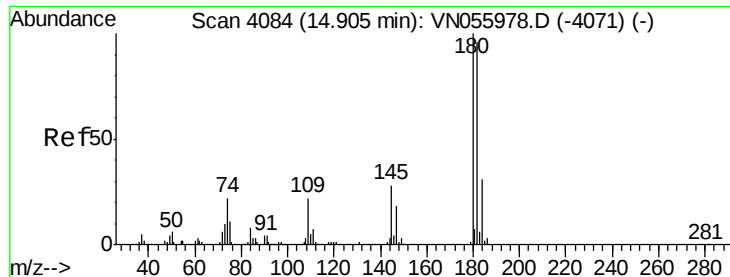
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.403 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.4	50.0	150.1
157	133.4	64.8	194.3





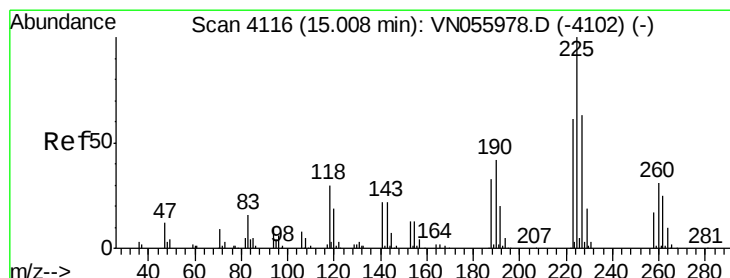
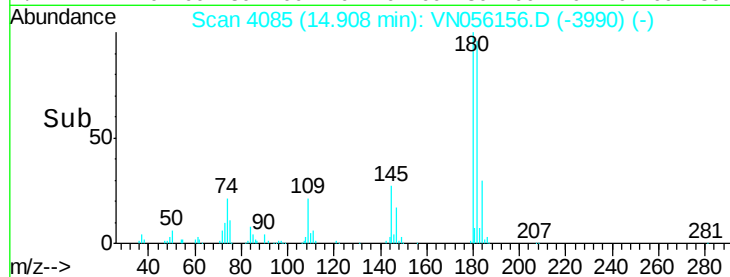
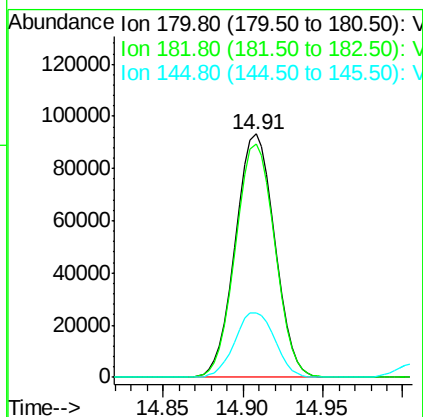
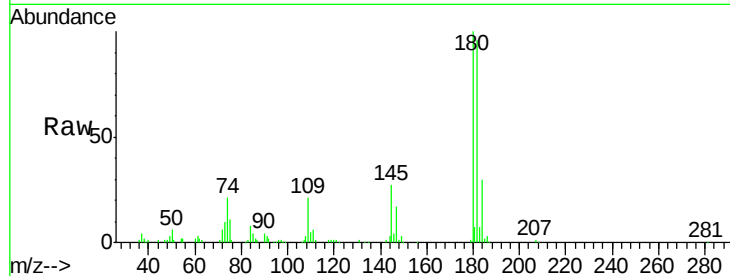
#93
 1,2,4-Trichlorobenzene
 Concen: 45.856 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	155951
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.3	144.9
145	27.3	14.0	41.9

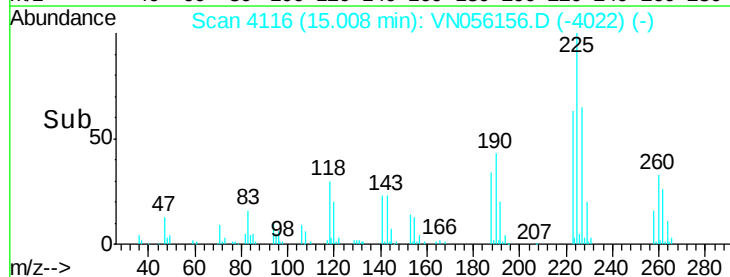
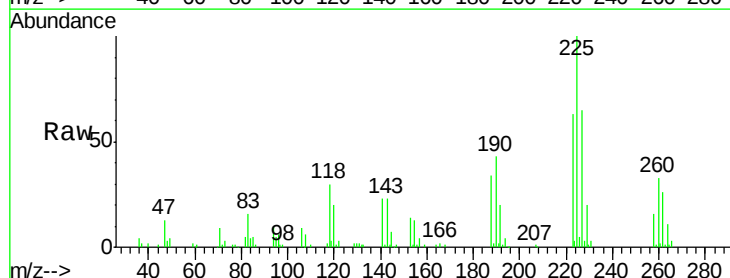
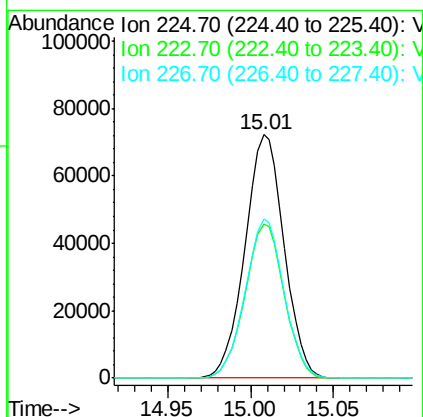
Manual Integrations
 APPROVED

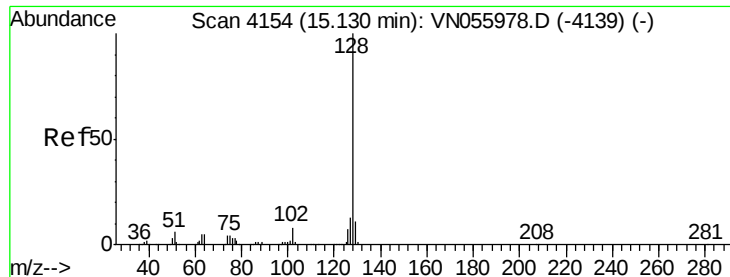
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 55.620 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056156.D
 Acq: 10 Jun 2019 9:25

Tgt Ion:	225	Resp:	118233
Ion Ratio	Lower	Upper	
225	100		
223	63.3	30.9	92.7
227	64.9	31.6	94.7





#95

Naphthalene

Concen: 43.820 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Instrument :

MSVOA_N

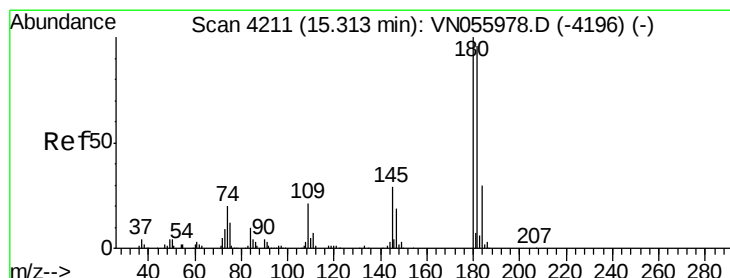
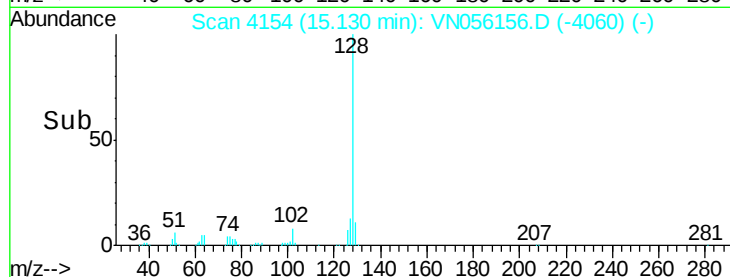
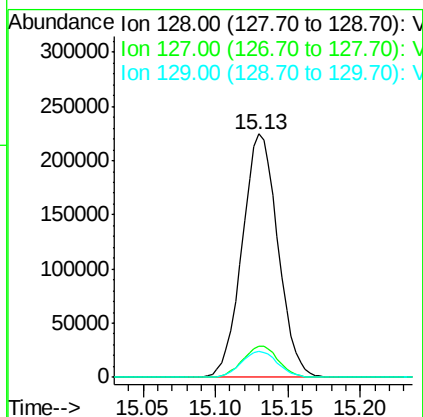
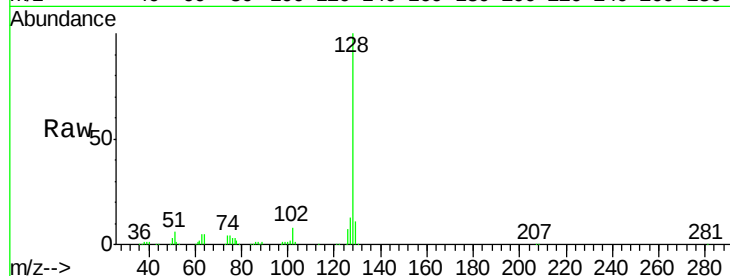
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	385345
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/11/2019 12:08:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.650 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056156.D

Acq: 10 Jun 2019 9:25

Tgt Ion:	180	Resp:	166028
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.7
145	29.3	14.9	44.7

