

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056245.D
 Acq On : 12 Jun 2019 13:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:08:36 AM

Quant Time: Jun 13 05:06:35 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	280384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	382485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	351960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	130364	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
35) Dibromofluoromethane	7.59	113	122152	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.09	98	440373	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	159043	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	135486	44.027	ug/l	96
3) Chloromethane	2.06	50	139073	45.757	ug/l	100
4) Vinyl Chloride	2.18	62	140304	46.020	ug/l	100
5) Bromomethane	2.52	94	87078	45.214	ug/l	100
6) Chloroethane	2.68	64	82741	46.808	ug/l	100
7) Trichlorofluoromethane	3.00	101	188138	48.338	ug/l	100
8) Diethyl Ether	3.40	74	73692	46.041	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	120390	50.920	ug/l	98
10) Methyl Iodide	3.93	142	174400	46.418	ug/l	100
11) Tert butyl alcohol	4.81	59	105101	216.939	ug/l	99
12) 1,1-Dichloroethene	3.72	96	113270	48.122	ug/l	95
13) Acrolein	3.60	56	30975	221.685	ug/l	96
14) Allyl chloride	4.31	41	181993	48.966	ug/l	99
15) Acrylonitrile	4.99	53	308131	261.273	ug/l	99
16) Acetone	3.82	43	314575	236.258	ug/l	99
17) Carbon Disulfide	4.03	76	258760	45.914	ug/l	99
18) Methyl Acetate	4.32	43	140177	53.638	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	363505	48.449	ug/l	100
20) Methylene Chloride	4.54	84	134147	48.902	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	119674	47.452	ug/l	96
22) Diisopropyl ether	5.95	45	381618	49.670	ug/l	99
23) Vinyl Acetate	5.89	43	1517562	250.819	ug/l	99
24) 1,1-Dichloroethane	5.84	63	219703	49.573	ug/l	99
25) 2-Butanone	6.84	43	425974	253.210	ug/l	99
26) 2,2-Dichloropropane	6.82	77	161236	46.623	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	143988	48.570	ug/l	97
28) Bromochloromethane	7.19	49	105915	50.536	ug/l	98
29) Tetrahydrofuran	7.21	42	259228	249.283	ug/l	99
30) Chloroform	7.37	83	227621	51.055	ug/l	100
31) Cyclohexane	7.65	56	193567	43.817	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	191153	51.344	ug/l	99
36) 1,1-Dichloropropene	7.79	75	164106	49.898	ug/l	99
37) Ethyl Acetate	6.93	43	156954	53.636	ug/l	99
38) Carbon Tetrachloride	7.77	117	167080	55.103	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	202496	49.426	ug/l	99
40) Benzene	8.04	78	514986	51.556	ug/l	99
41) Methacrylonitrile	7.17	41	74704	55.486	ug/l	94
42) 1,2-Dichloroethane	8.12	62	166656	51.868	ug/l	99
43) Isopropyl Acetate	8.17	43	245453	51.762	ug/l #	91
44) Trichloroethene	8.83	130	149966	52.247	ug/l	98
45) 1,2-Dichloropropane	9.12	63	135426	52.930	ug/l	100
46) Dibromomethane	9.20	93	89769	53.653	ug/l	97
47) Bromodichloromethane	9.40	83	177746	58.616	ug/l	98
48) Methyl methacrylate	9.20	41	124708	53.756	ug/l	98
49) 1,4-Dioxane	9.20	88	55316	1104.474	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	804831	271.410	ug/l	100
52) Toluene	10.15	92	325752	52.408	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	172679	48.639	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	201723	55.343	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135266	54.938	ug/l	99
56) Ethyl methacrylate	10.43	69	194544	54.160	ug/l	99
57) 1,3-Dichloropropane	10.71	76	215145	53.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	322981	228.166	ug/l	99
59) 2-Hexanone	10.75	43	577618	268.756	ug/l	99
60) Dibromochloromethane	10.90	129	151795	55.610	ug/l	99
61) 1,2-Dibromoethane	11.00	107	138650	55.084	ug/l	100
64) Tetrachloroethene	10.63	164	150982	49.557	ug/l	97
65) Chlorobenzene	11.43	112	360705	51.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	136618	56.485	ug/l	99
67) Ethyl Benzene	11.51	91	619461	50.859	ug/l	99
68) m/p-Xylenes	11.62	106	484535	104.136	ug/l	98
69) o-Xylene	11.95	106	237059	51.795	ug/l	98
70) Styrene	11.96	104	395934	54.446	ug/l	99
71) Bromoform	12.13	173	114492	56.034	ug/l #	99
73) Isopropylbenzene	12.25	105	620368	51.787	ug/l	99
74) N-amyl acetate	12.07	43	209739	46.740	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	187867	48.074	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	158710m	51.238	ug/l	
77) Bromobenzene	12.53	156	173205	48.057	ug/l	95
78) n-propylbenzene	12.59	91	671224	47.132	ug/l	99
79) 2-Chlorotoluene	12.67	91	409726	51.960	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	522549	46.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47048	50.582	ug/l	92
82) 4-Chlorotoluene	12.77	91	401870	48.233	ug/l	100
83) tert-Butylbenzene	12.99	119	461831	52.738	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	512497	47.748	ug/l	99
85) sec-Butylbenzene	13.17	105	598114	47.424	ug/l	100
86) p-Isopropyltoluene	13.29	119	546450	48.412	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	283136	50.758	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	269754	50.272	ug/l	100
89) n-Butylbenzene	13.61	91	405865	48.539	ug/l	100
90) Hexachloroethane	13.87	117	91937	54.009	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	277924	49.349	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31233	55.878	ug/l	96

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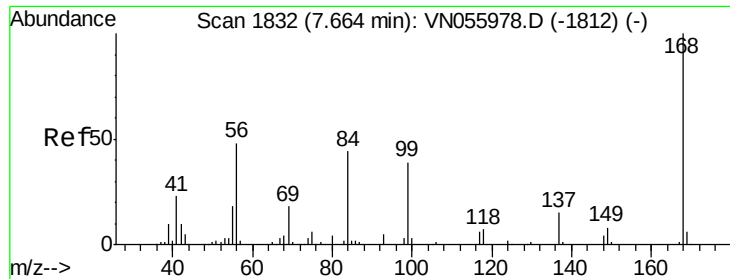
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	130857	42.834	ug/l	100
94) Hexachlorobutadiene	15.01	225	111998	58.330	ug/l	98
95) Naphthalene	15.13	128	317413	40.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	142499	45.355	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 280384

Ion Ratio Lower Upper

168 100

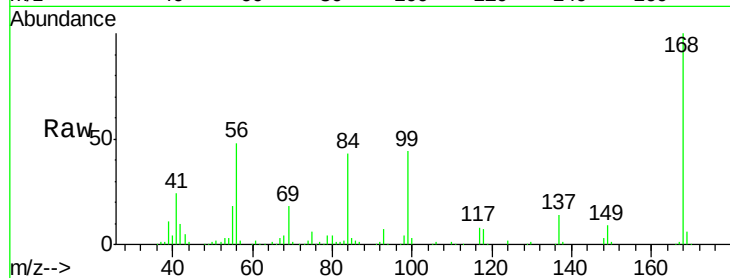
99 43.3 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

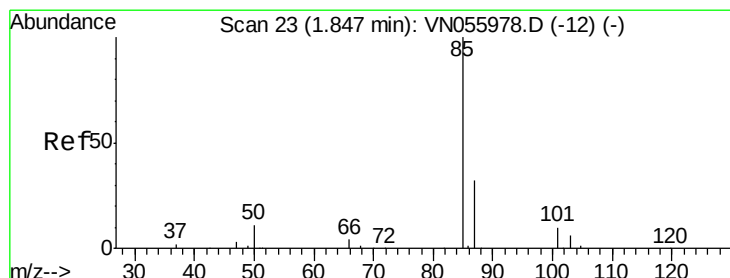
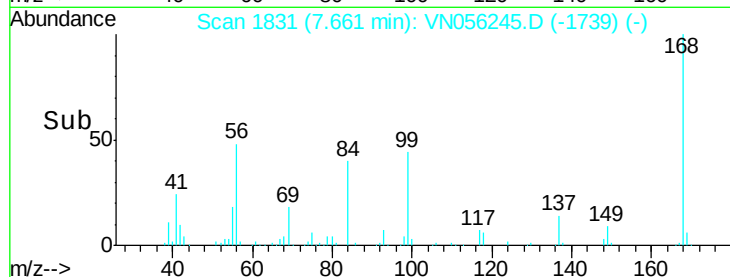
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.027 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056245.D

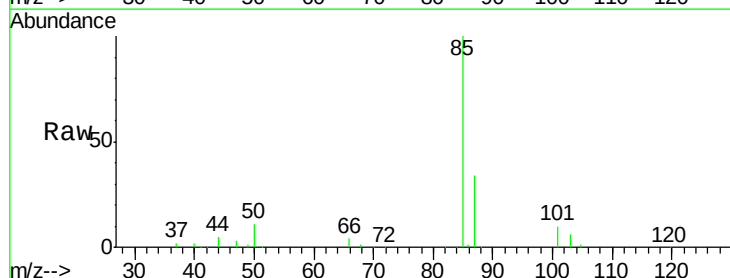
Acq: 12 Jun 2019 13:36

Tgt Ion: 85 Resp: 135486

Ion Ratio Lower Upper

85 100

87 34.4 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

100000

80000

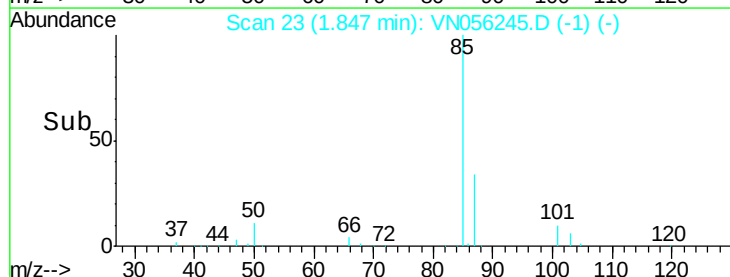
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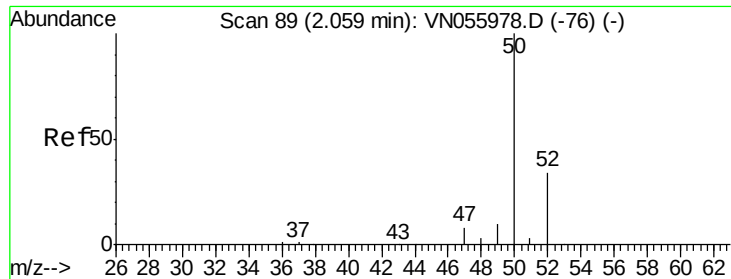
40000

20000

0

Time-->





#3

Chloromethane

Concen: 45.757 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 139073

Ion Ratio Lower Upper

50 100

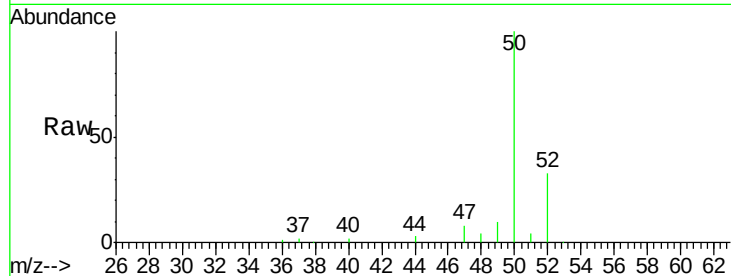
52 33.1 26.6 40.0

Manual Integrations

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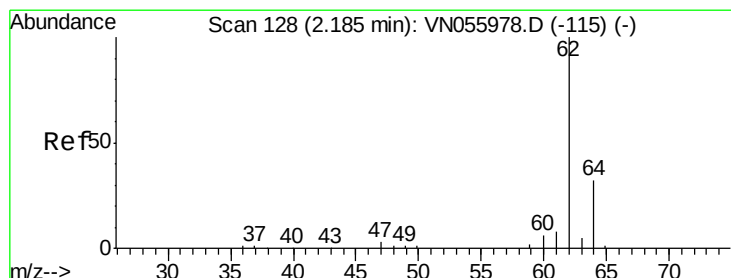
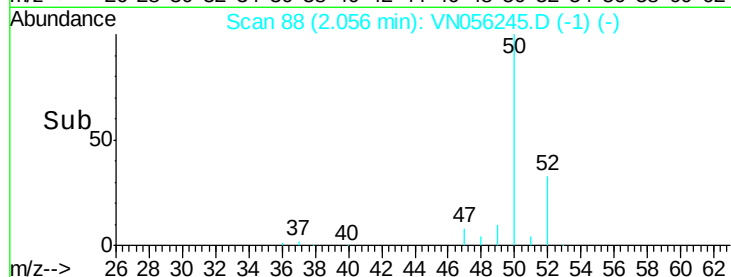
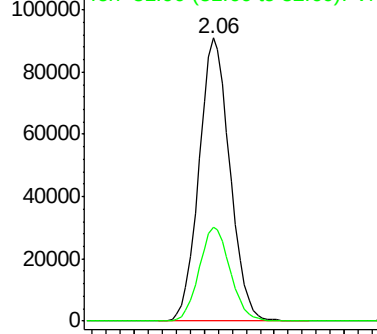
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.020 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056245.D

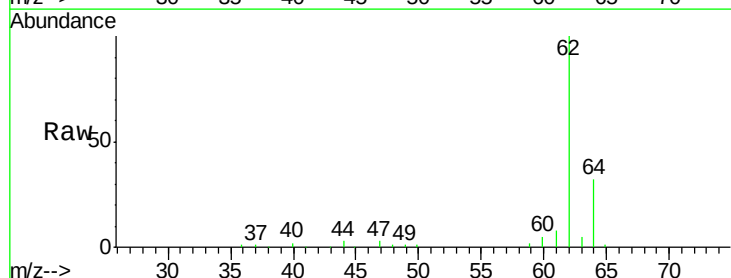
Acq: 12 Jun 2019 13:36

Tgt Ion: 62 Resp: 140304

Ion Ratio Lower Upper

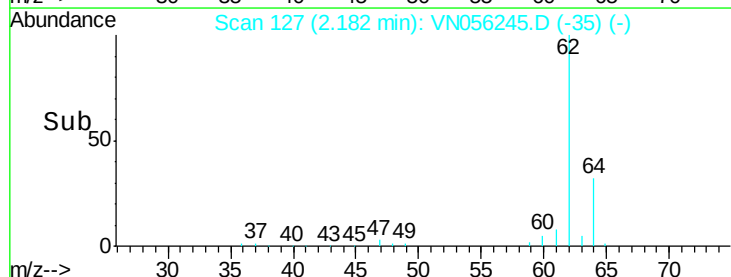
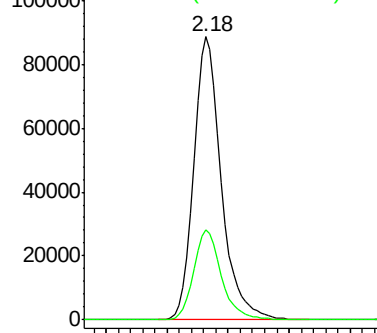
62 100

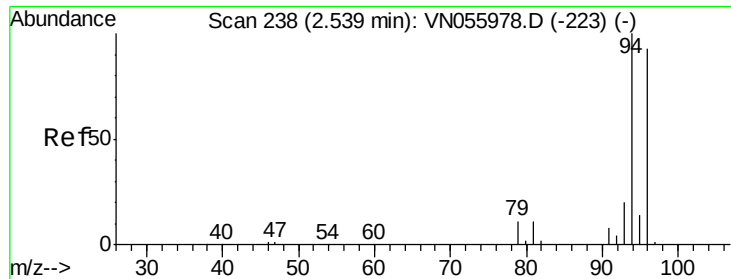
64 31.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 45.214 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.02 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 87078

Ion Ratio Lower Upper

94 100

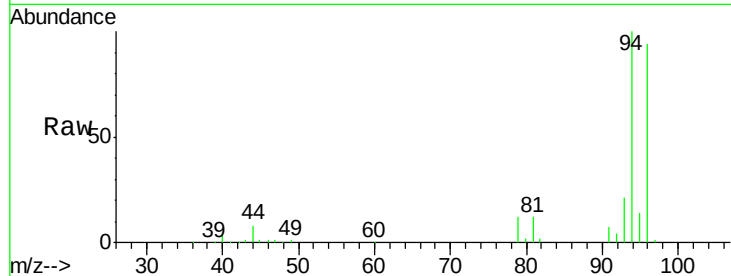
96 94.2 75.5 113.3

Manual Integrations

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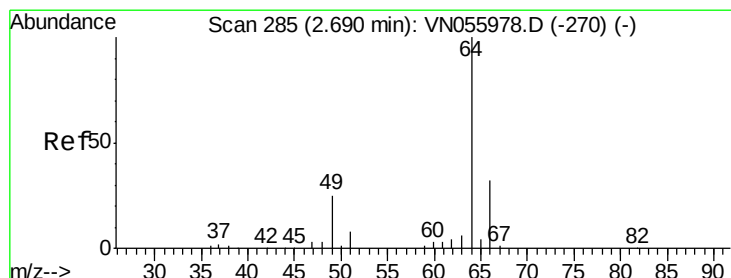
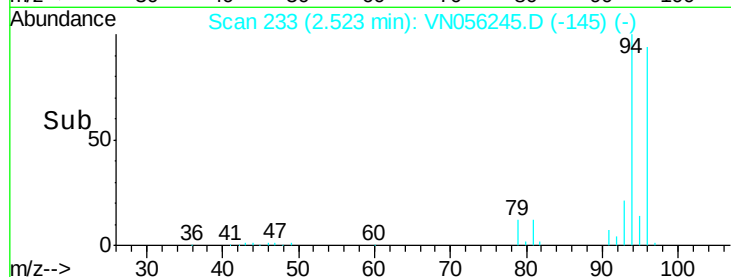
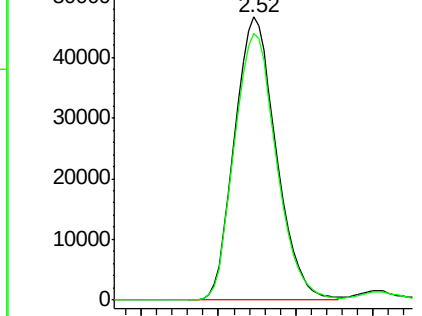
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.808 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN056245.D

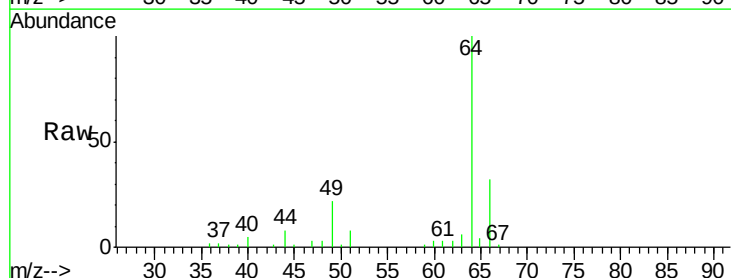
Acq: 12 Jun 2019 13:36

Tgt Ion: 64 Resp: 82741

Ion Ratio Lower Upper

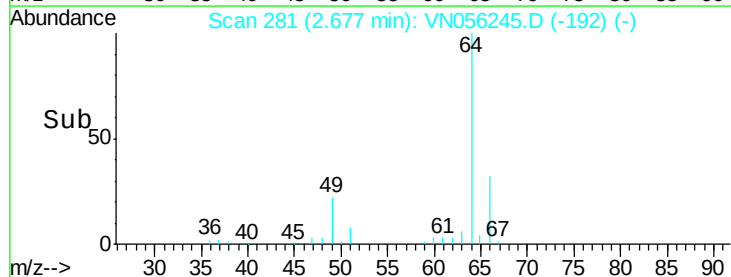
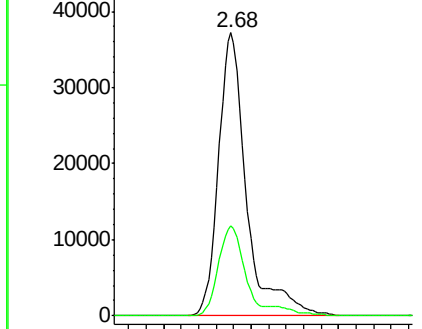
64 100

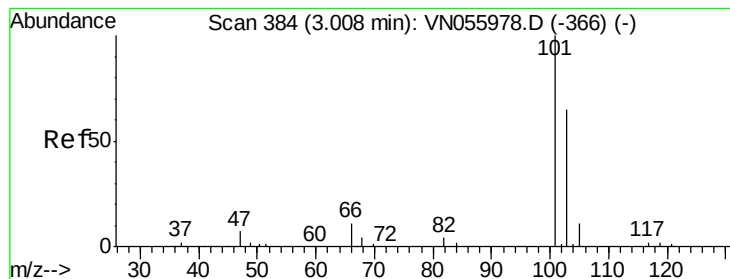
66 31.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

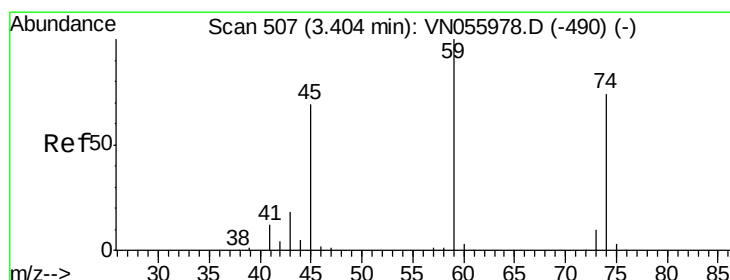
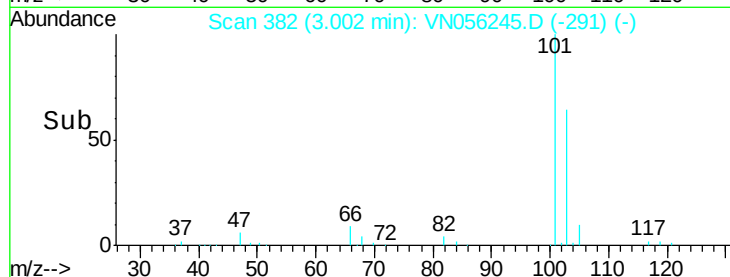
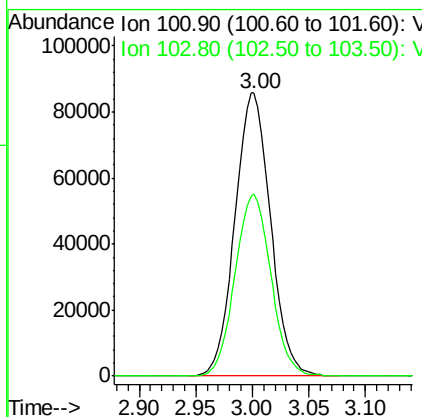
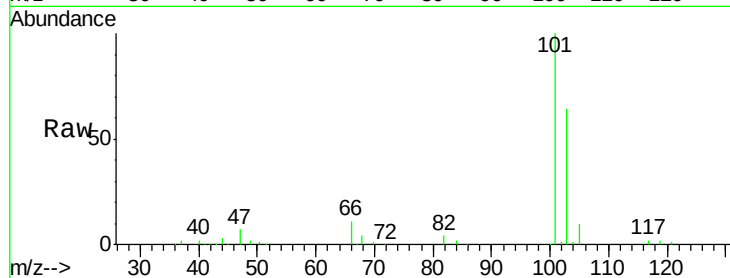
Trichlorofluoromethane
Concen: 48.338 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

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MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.2	76.8

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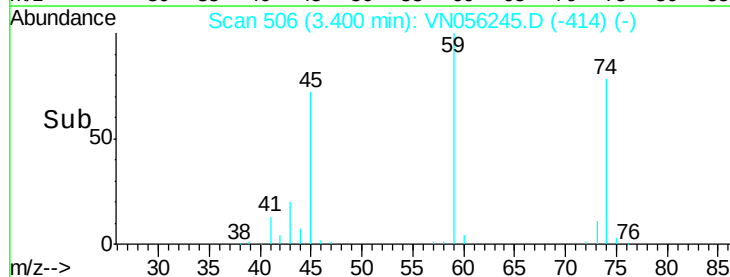
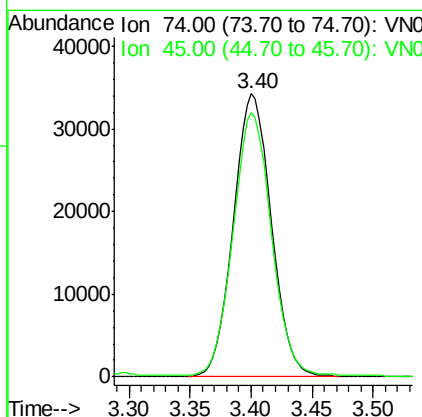
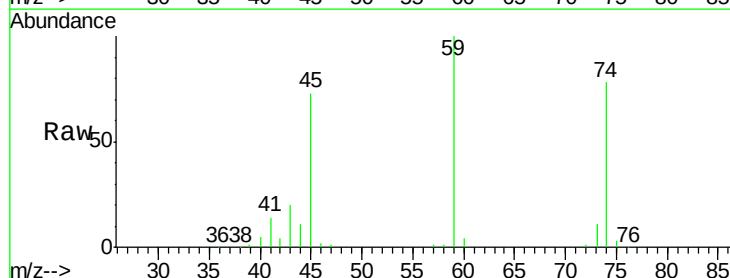
MMDadoda
6/13/2019 11:08:36 AM

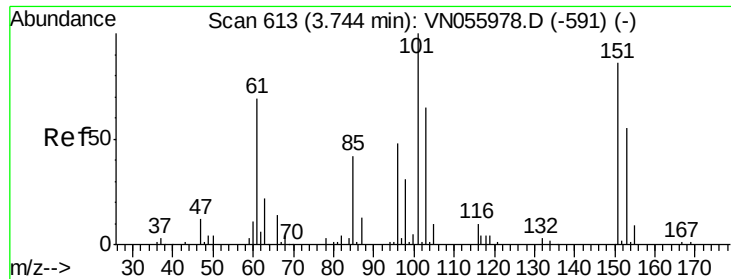


#8

Diethyl Ether
Concen: 46.041 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.920 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

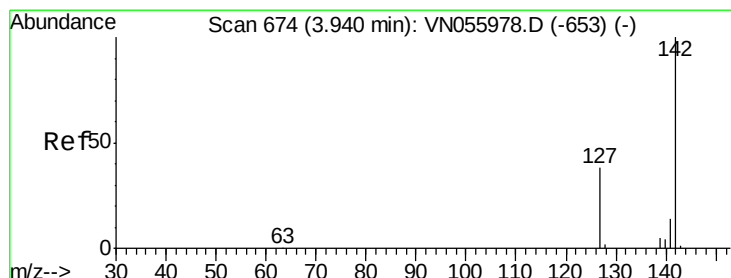
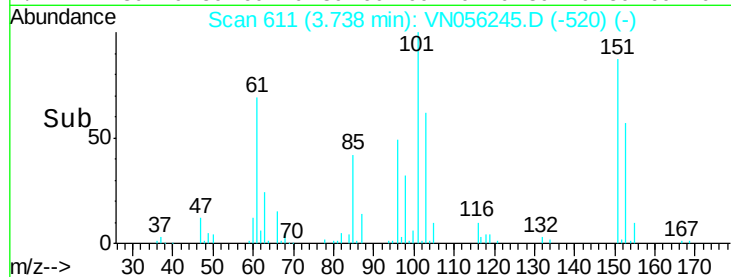
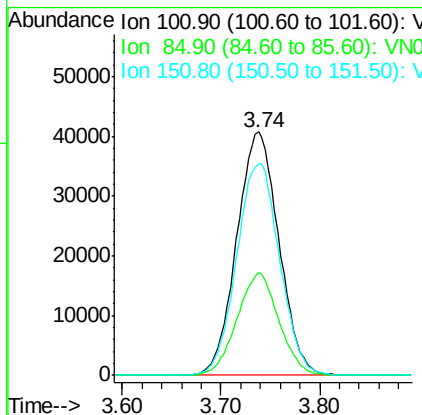
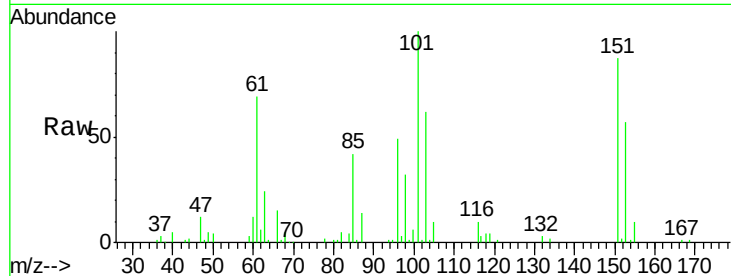
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	120390
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.4	50.2
151	88.8	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 46.418 ug/l

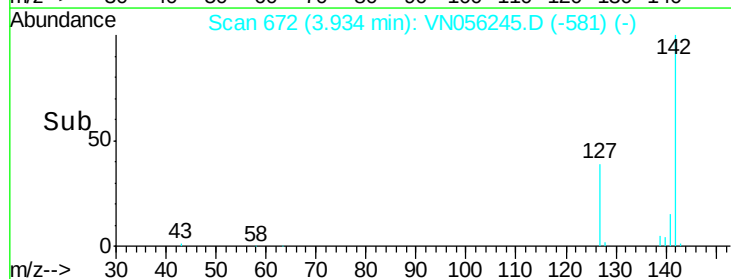
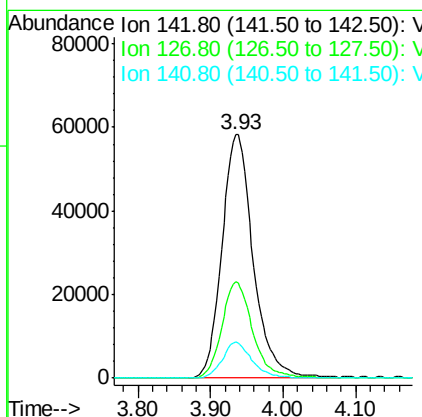
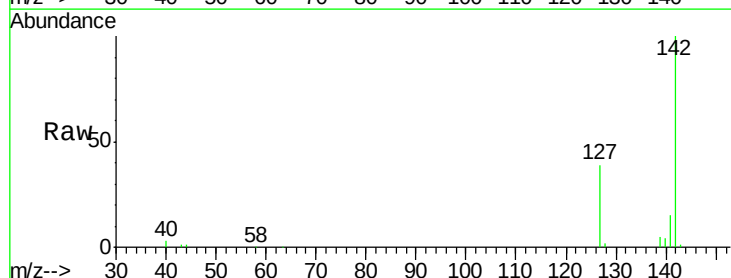
RT: 3.93 min Scan# 672

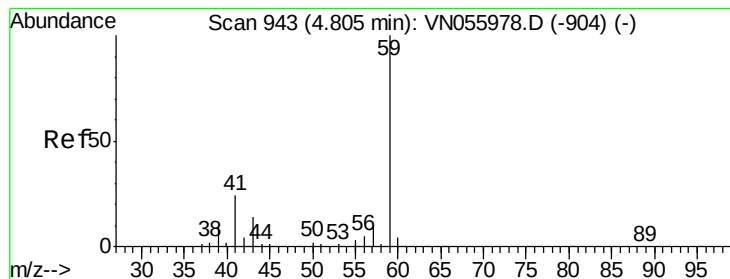
Delta R.T. -0.01 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Tgt Ion:	142	Resp:	174400
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.0	46.4
141	14.0	11.4	17.0





#11

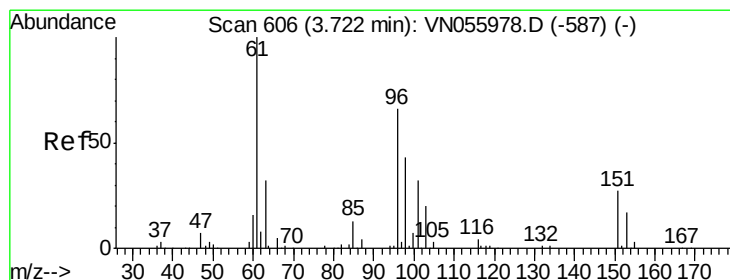
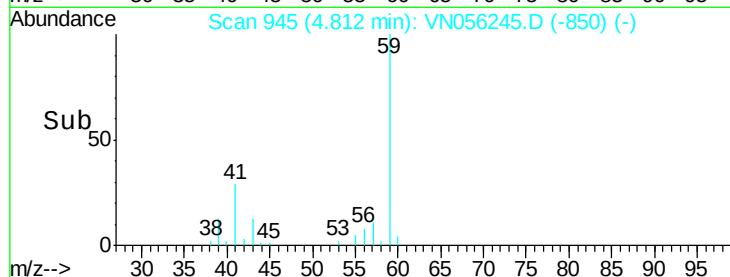
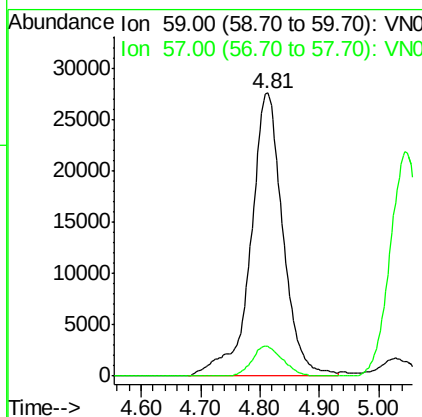
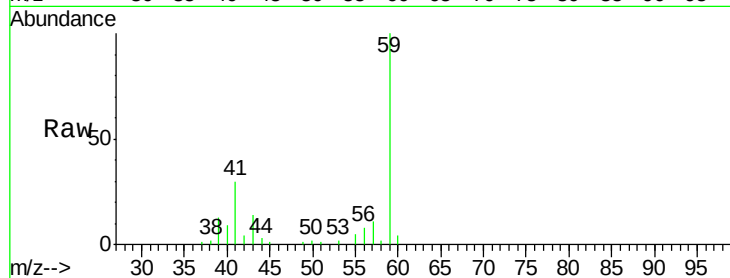
Tert butyl alcohol
Concen: 216.939 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.01 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.6

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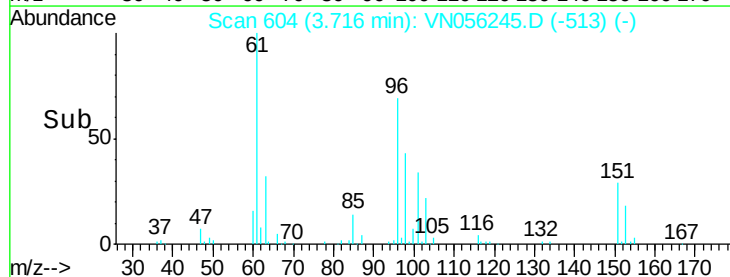
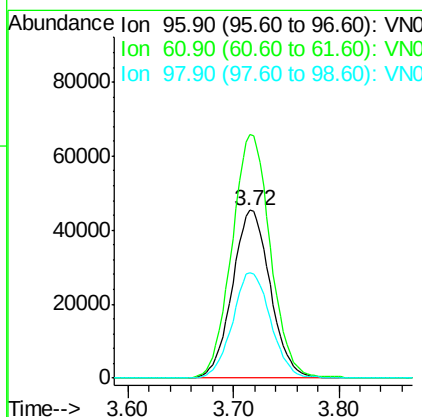
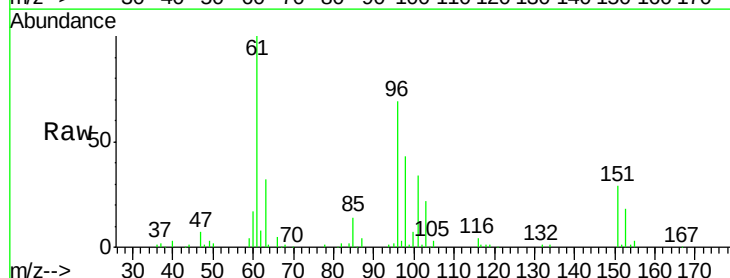
MMDadoda
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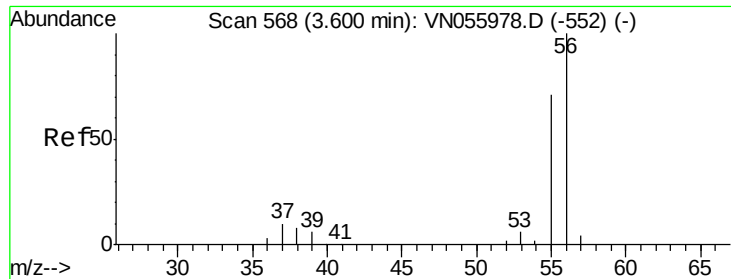


#12

1,1-Dichloroethene
Concen: 48.122 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.01 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.9	123.2	184.8
98	62.8	50.4	75.6





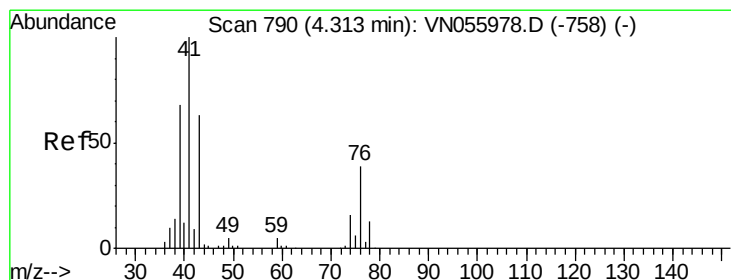
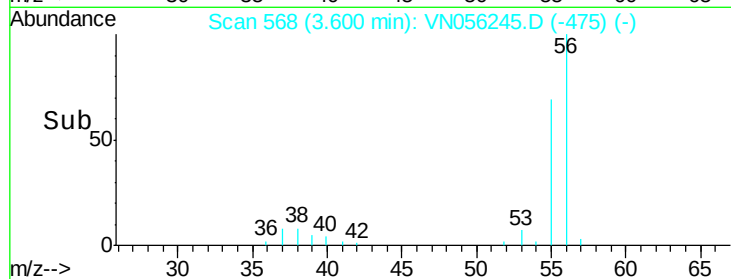
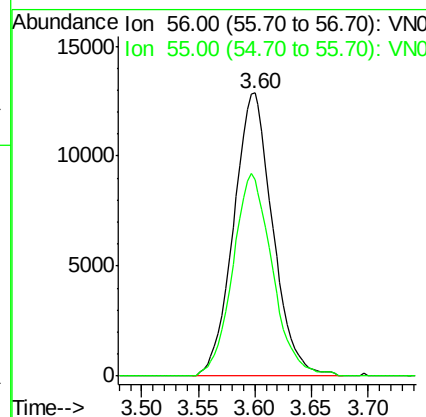
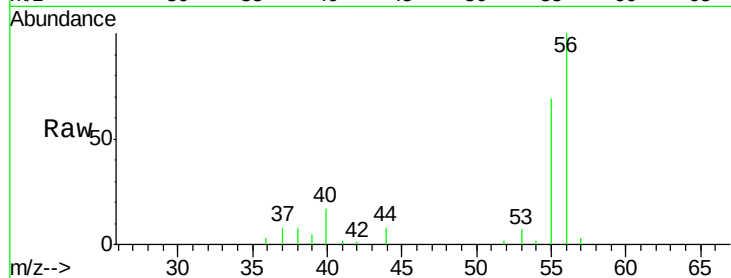
#13
Acrolein
Concen: 221.685 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	56	Resp	30975
Ion Ratio	100	Lower	Upper
56	100		
55	72.3	55.4	83.2

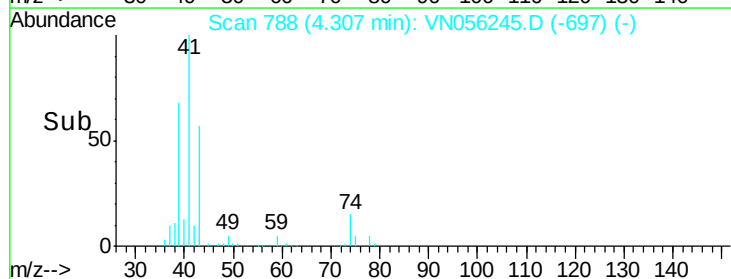
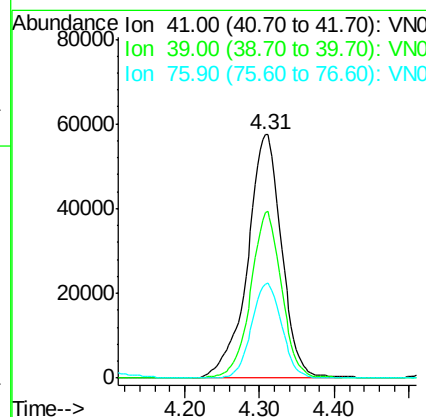
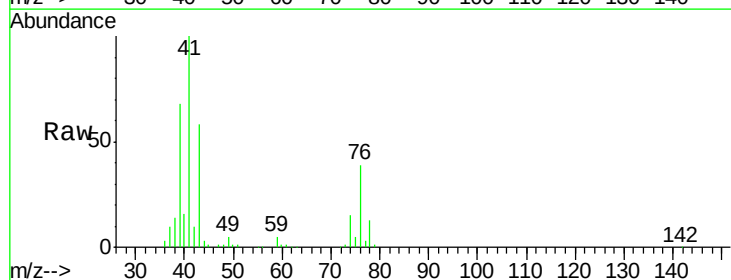
Manual Integrations
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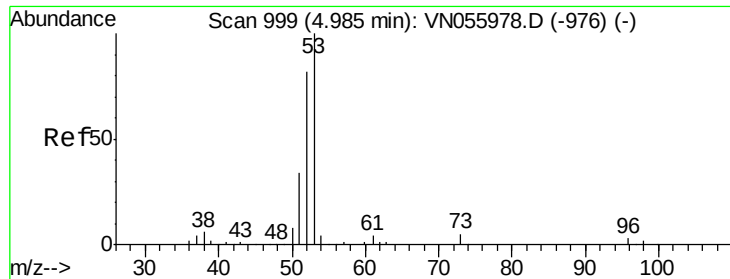
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#14
Allyl chloride
Concen: 48.966 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	41	Resp	181993
Ion Ratio	100	Lower	Upper
41	100		
39	62.1	50.0	75.0
76	34.5	28.2	42.2





#15

Acrylonitrile

Concen: 261.273 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

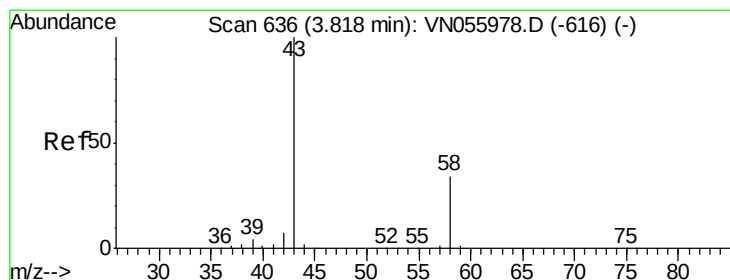
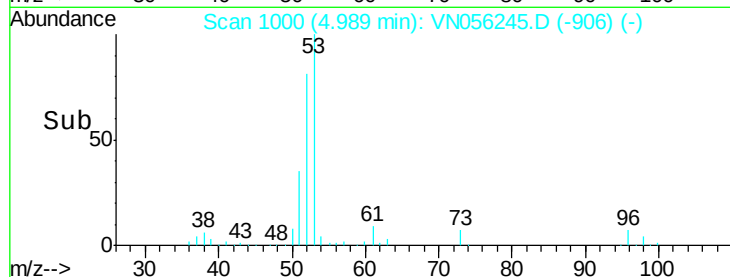
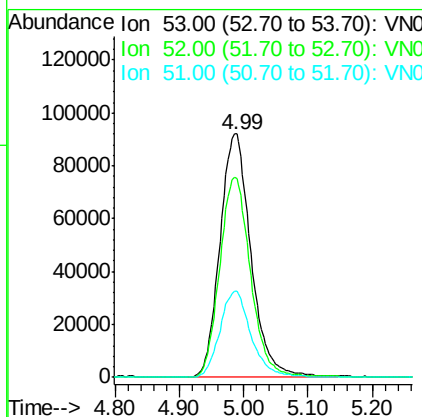
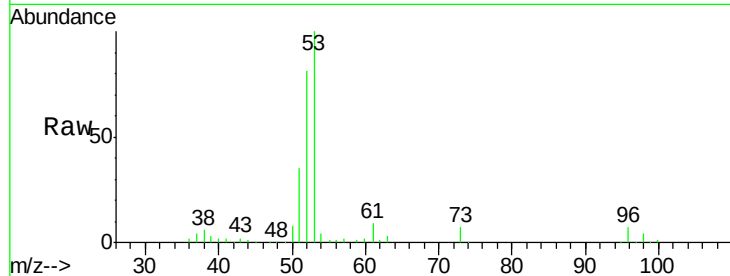
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	308131
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.8	98.8
51	35.6	28.2	42.4

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#16

Acetone

Concen: 236.258 ug/l

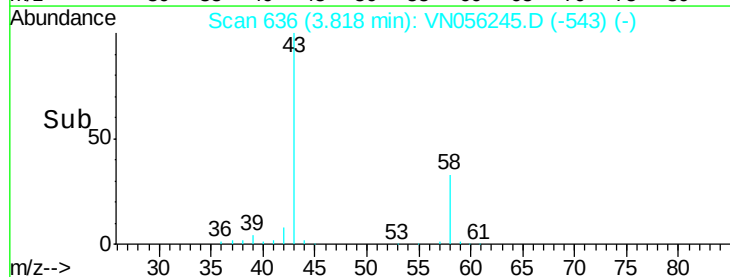
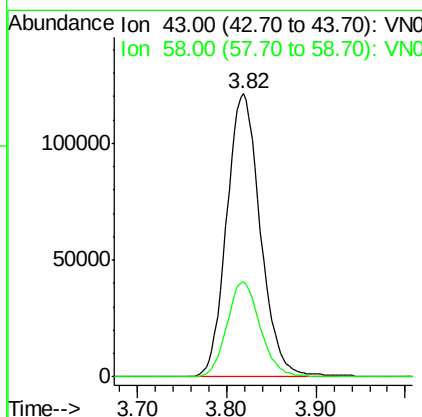
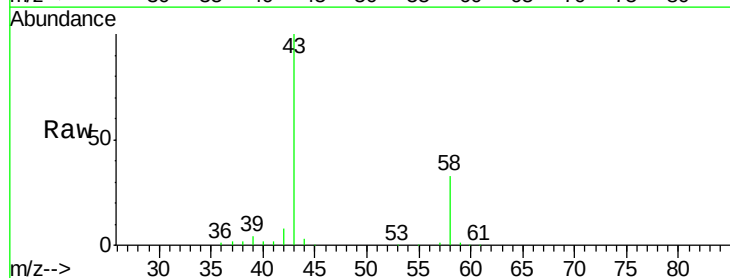
RT: 3.82 min Scan# 636

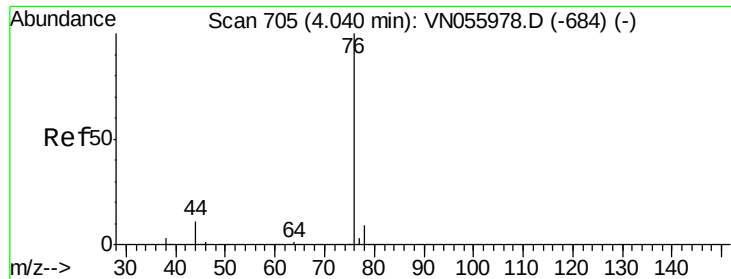
Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Tgt Ion:	43	Resp:	314575
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.6	39.8





#17

Carbon Disulfide

Concen: 45.914 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 258760

Ion Ratio Lower Upper

76 100

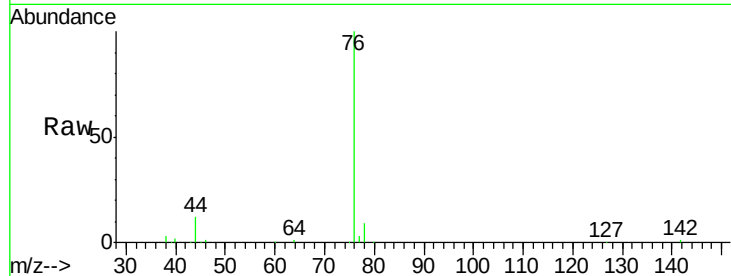
78 8.9 7.4 11.2

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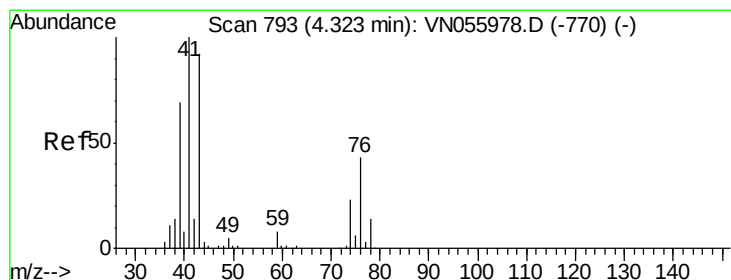
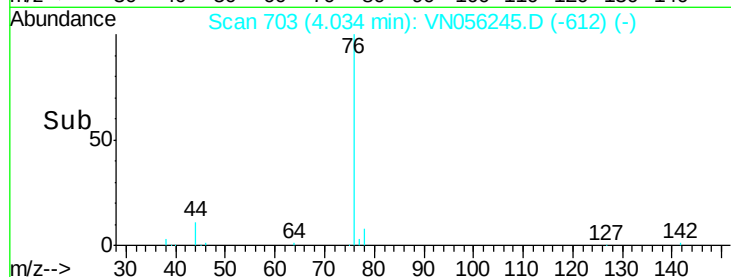
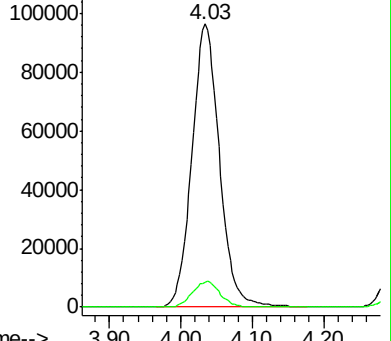
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 53.638 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056245.D

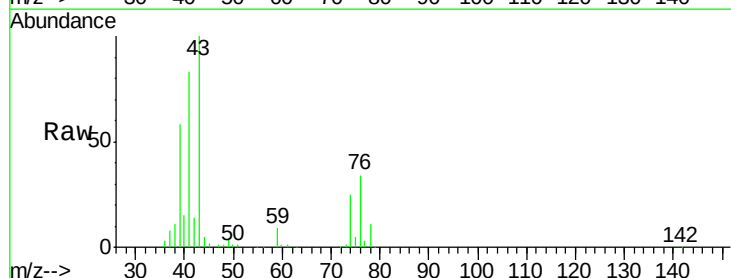
Acq: 12 Jun 2019 13:36

Tgt Ion: 43 Resp: 140177

Ion Ratio Lower Upper

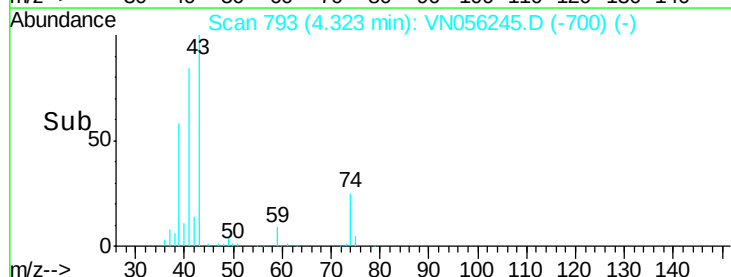
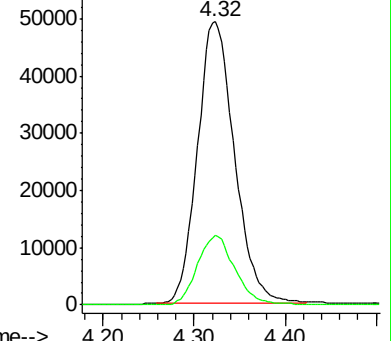
43 100

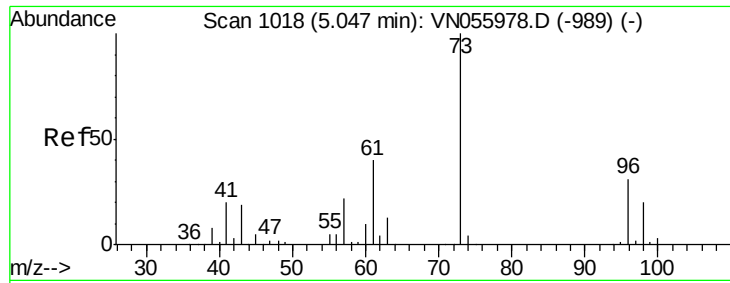
74 24.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





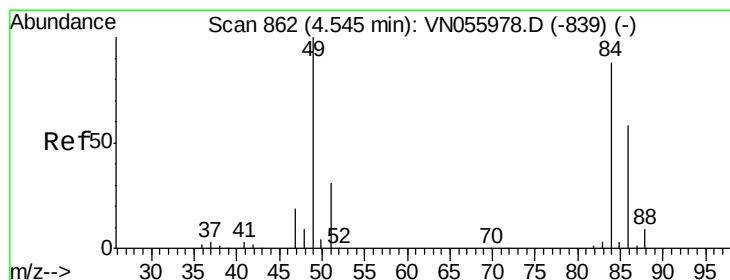
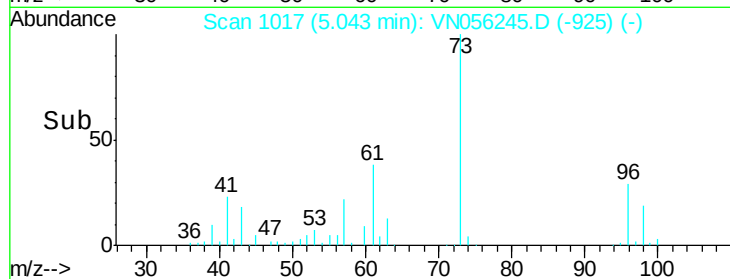
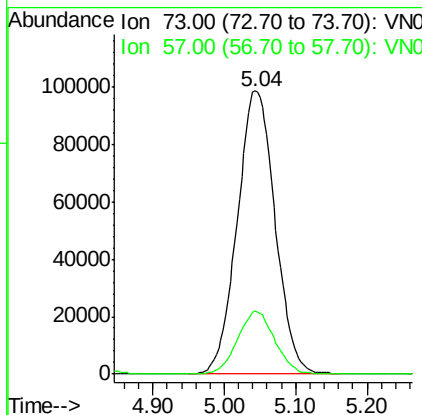
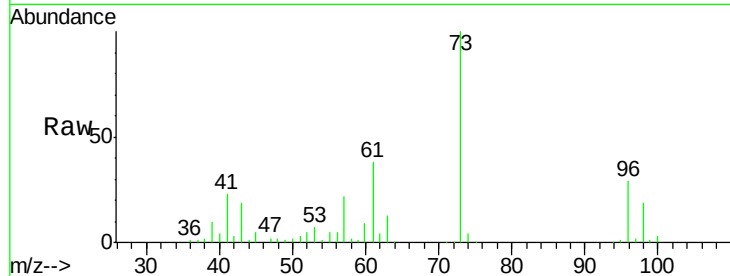
#19
Methyl tert-butyl Ether
Concen: 48.449 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 363505
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8

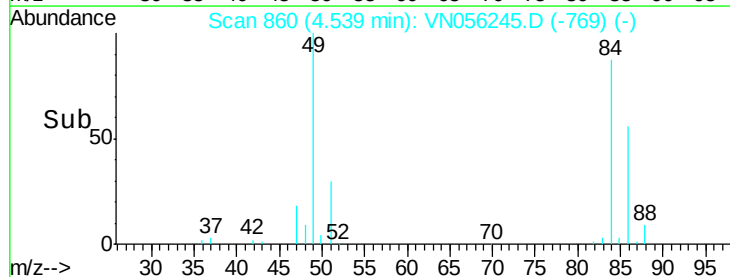
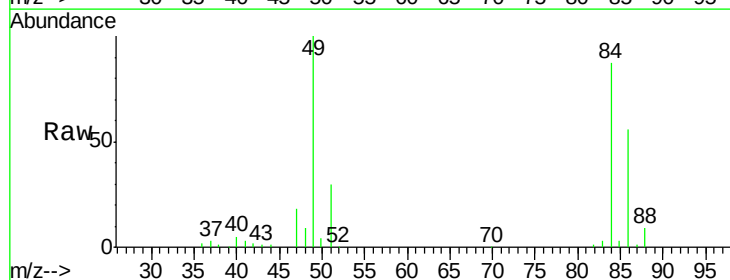
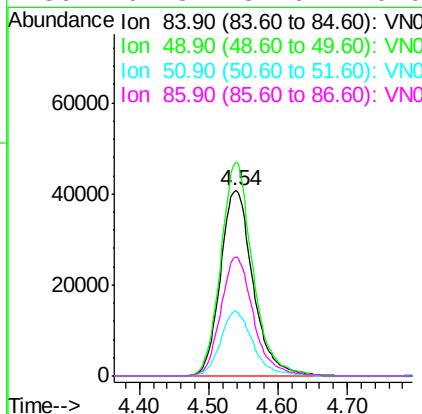
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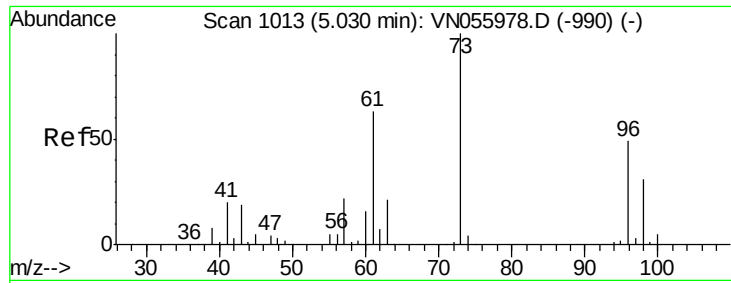
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#20
Methylene Chloride
Concen: 48.902 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 84 Resp: 134147
Ion Ratio Lower Upper
84 100
49 115.3 93.5 140.3
51 35.0 28.6 43.0
86 64.3 52.6 79.0





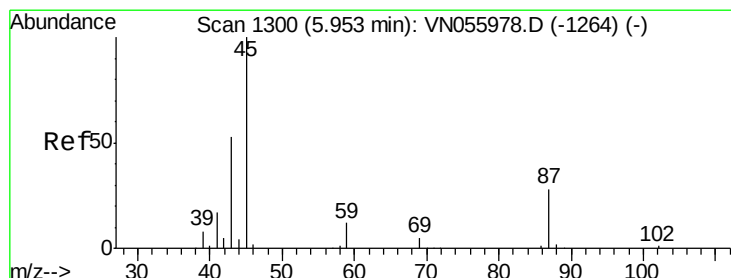
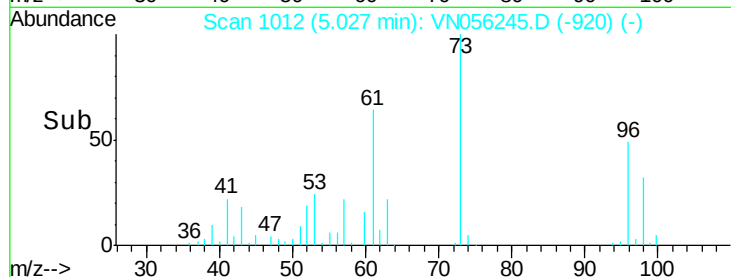
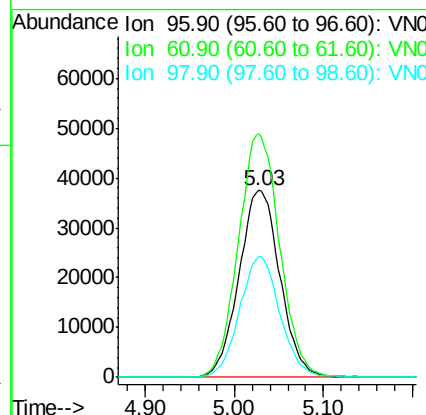
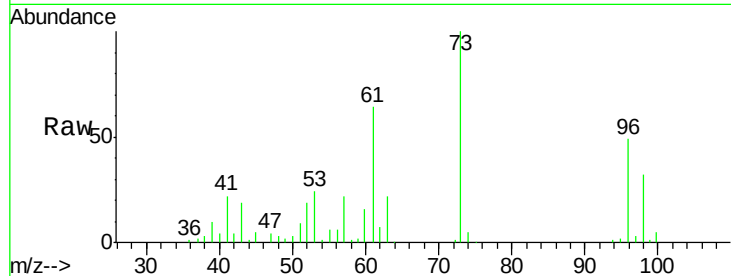
#21
trans-1,2-Dichloroethene
Concen: 47.452 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	107.8	161.8
98	64.9	49.8	74.8

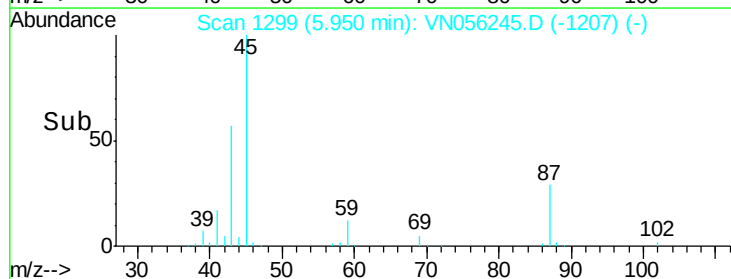
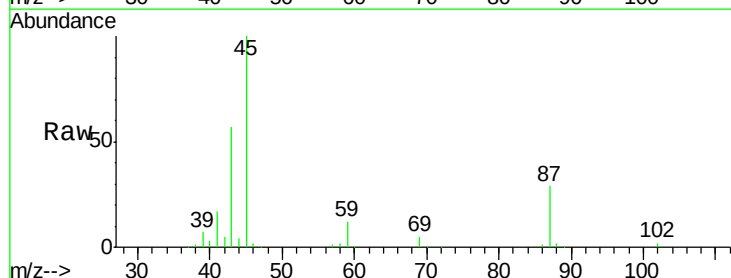
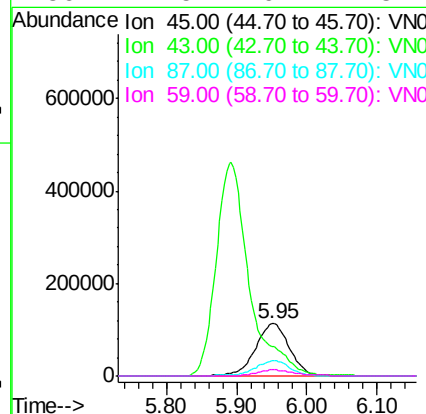
Manual Integrations
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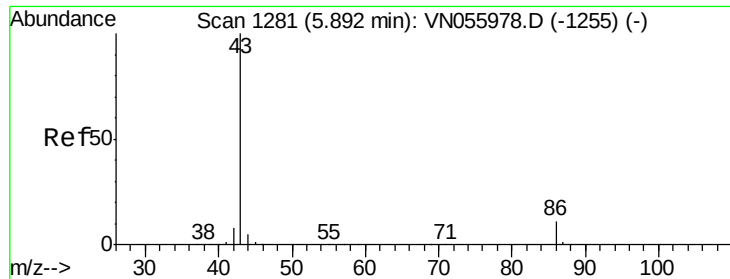
MMDadoda
6/13/2019 11:08:36 AM



#22
Diisopropyl ether
Concen: 49.670 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	45.0	67.6
87	28.5	22.2	33.4
59	11.5	9.1	13.7





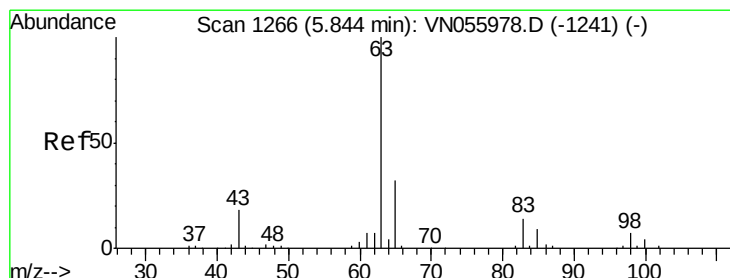
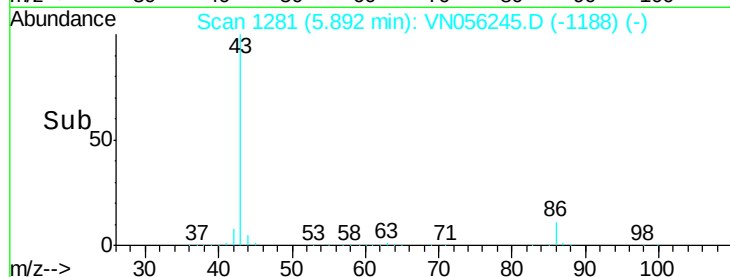
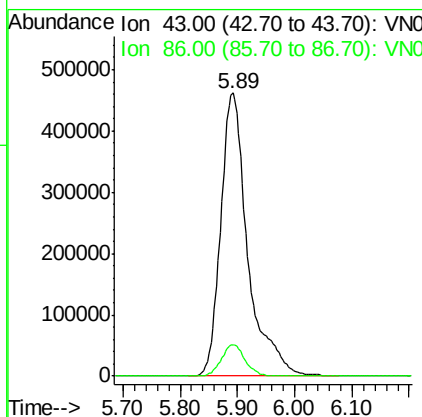
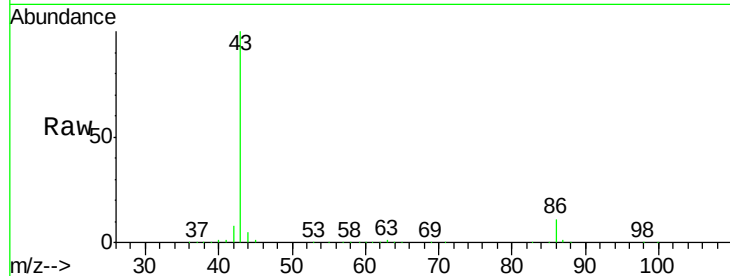
#23
 Vinyl Acetate
 Concen: 250.819 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 1517562
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.6 13.0

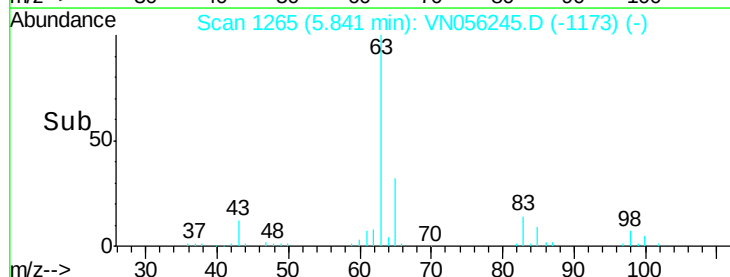
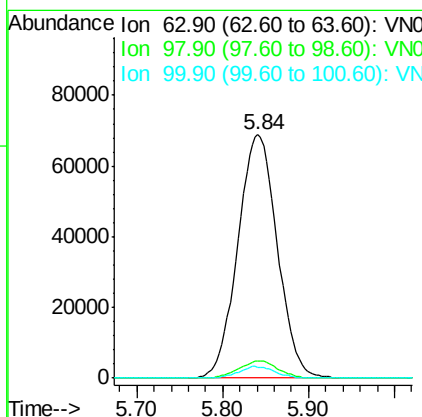
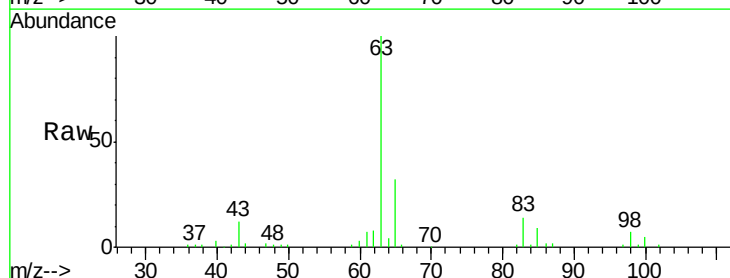
Manual Integrations
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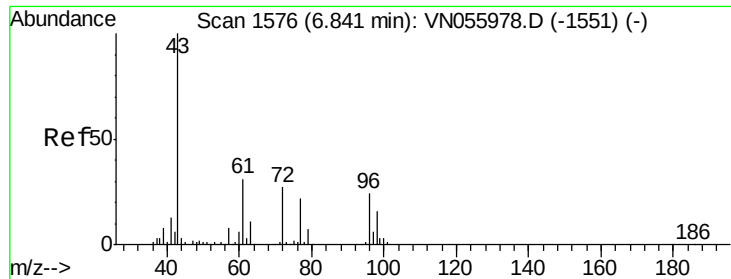
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 49.573 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion: 63 Resp: 219703
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.1
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 253.210 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 425974

Ion Ratio Lower Upper

43 100

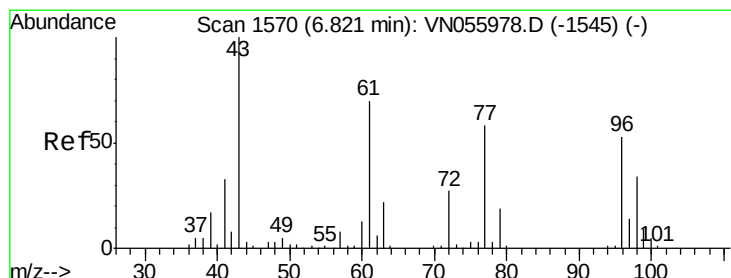
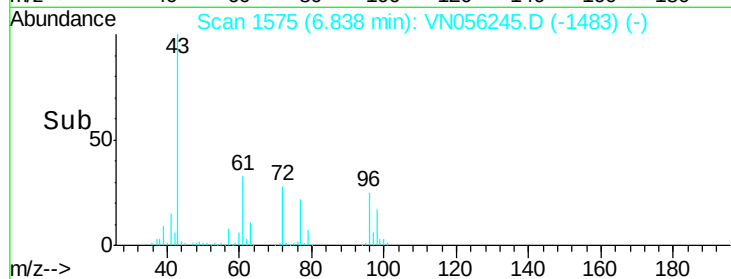
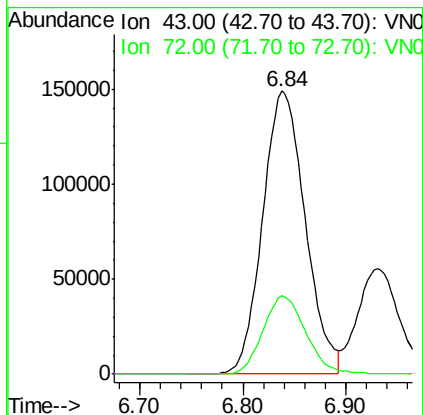
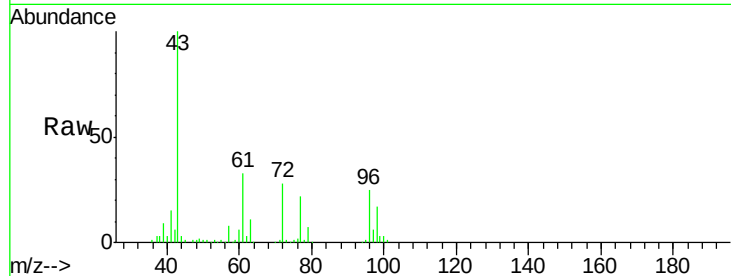
72 27.8 21.9 32.9

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 46.623 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056245.D

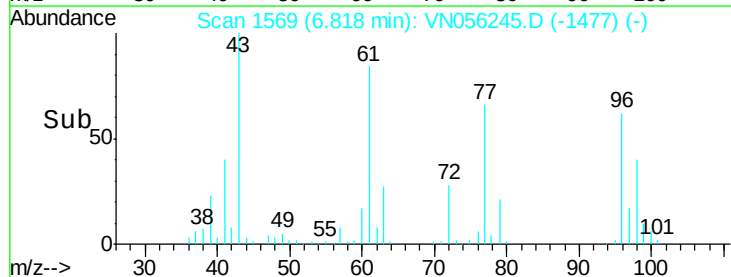
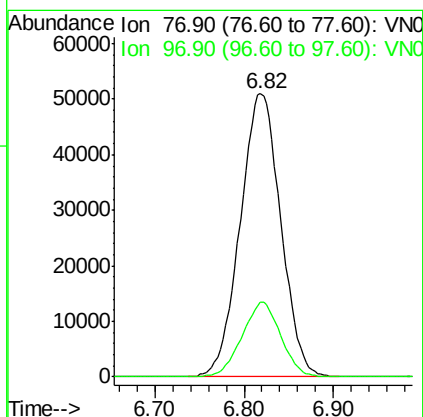
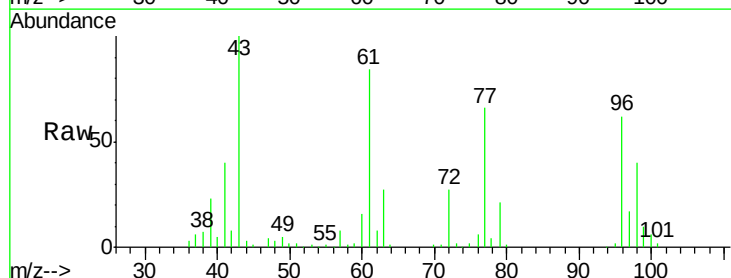
Acq: 12 Jun 2019 13:36

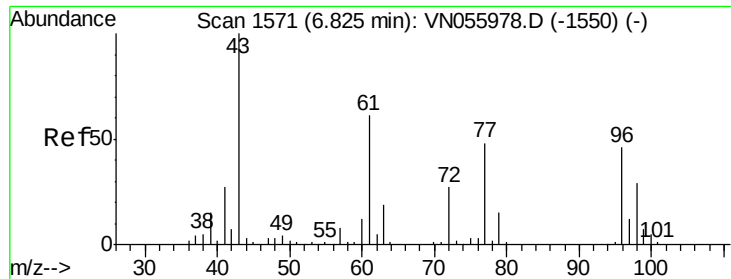
Tgt Ion: 77 Resp: 161236

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.570 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 143988

Ion Ratio Lower Upper

96 100

61 133.9 0.0 275.8

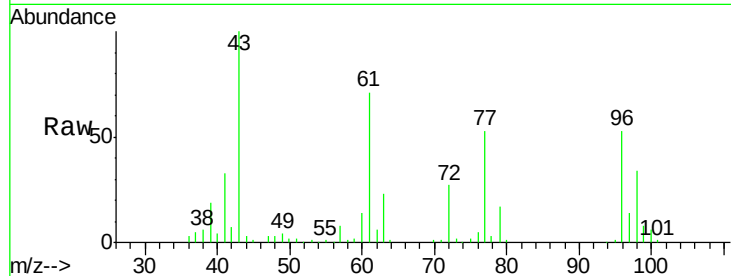
98 64.9 0.0 128.4

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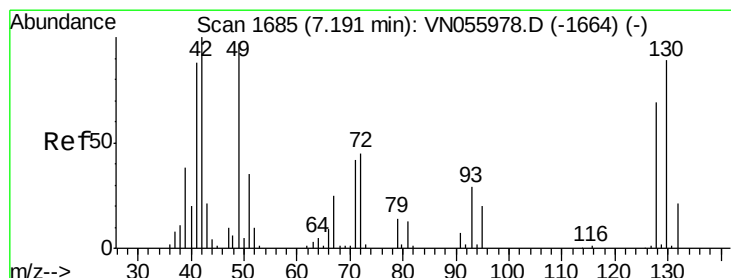
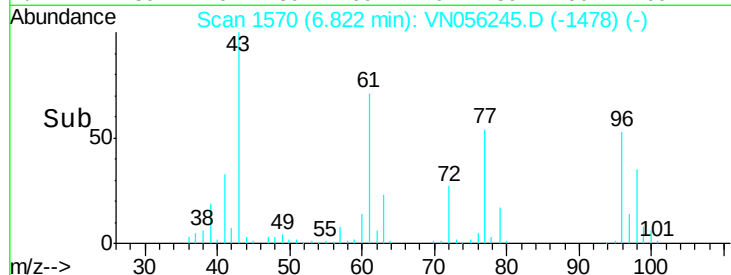


Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-1550) (-)

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

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

Time-->



#28

Bromochloromethane

Concen: 50.536 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

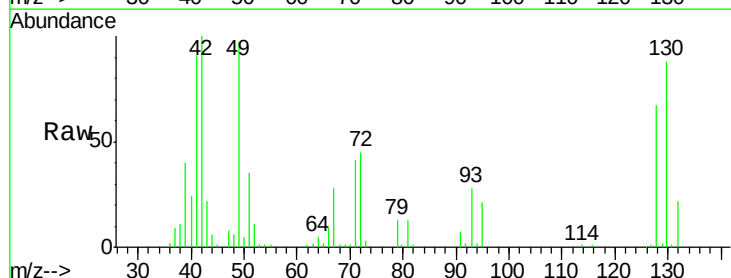
Tgt Ion: 49 Resp: 105915

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

130 91.4 71.2 106.8

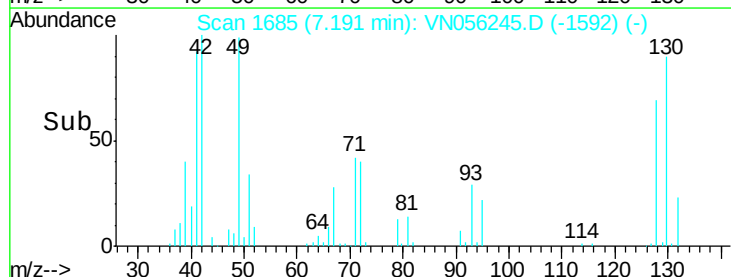


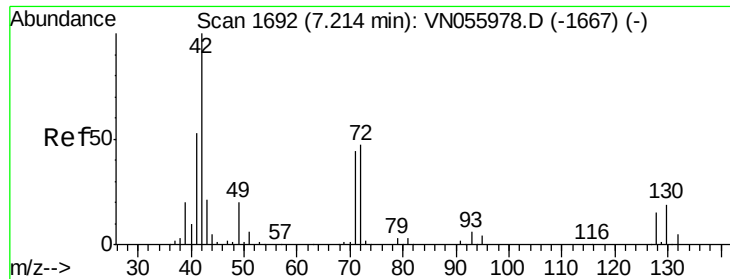
Abundance Ion 48.90 (48.60 to 49.60): VN055978.D (-1664) (-)

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

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

Time-->





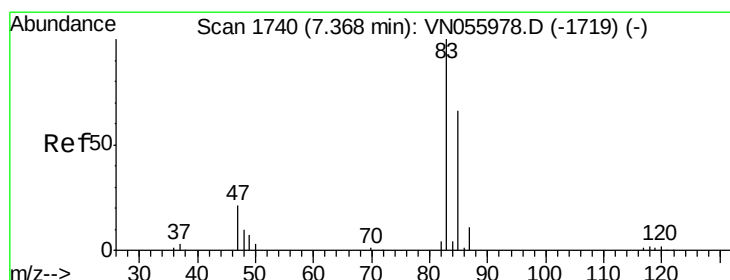
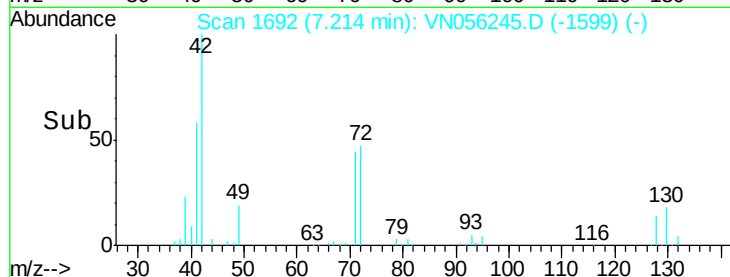
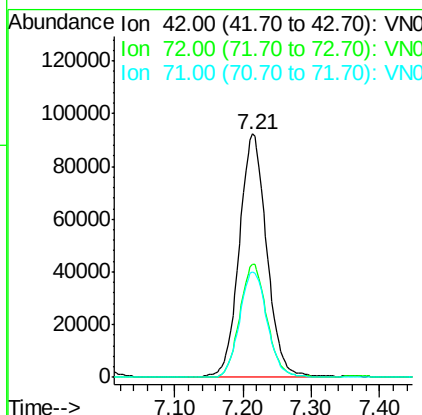
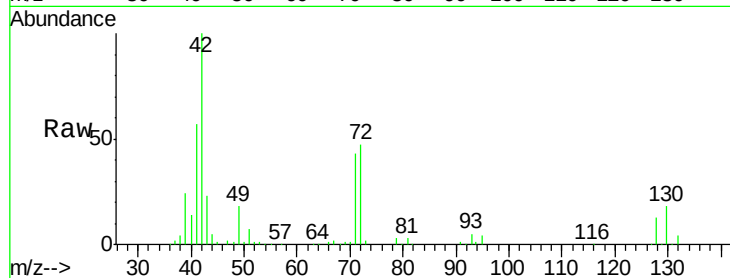
#29
Tetrahydrofuran
Concen: 249.283 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.9	53.9
71	43.3	34.0	51.0

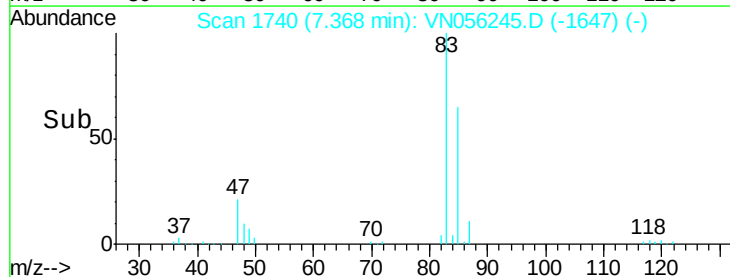
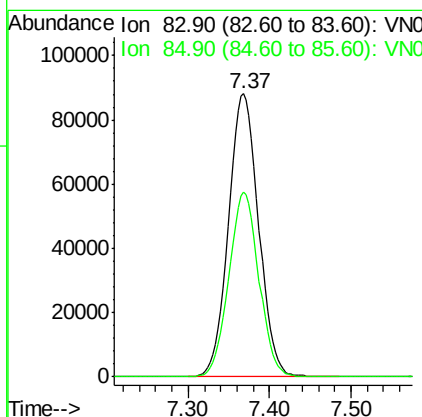
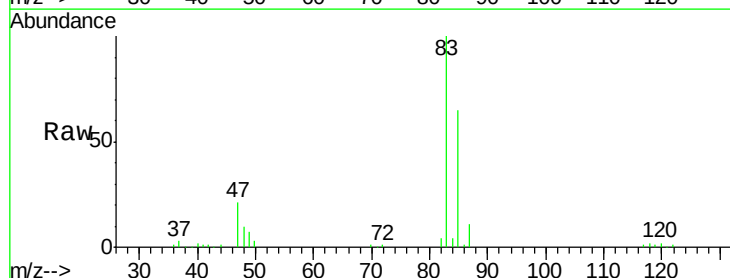
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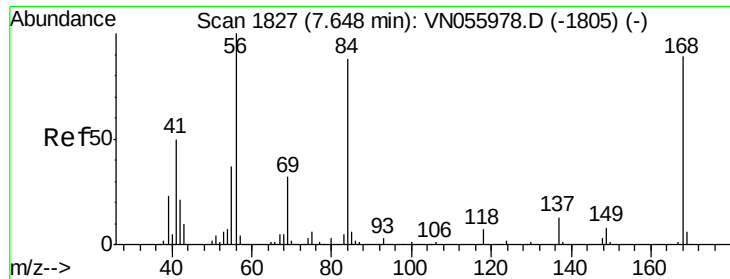
MMDadoda
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#30
Chloroform
Concen: 51.055 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8





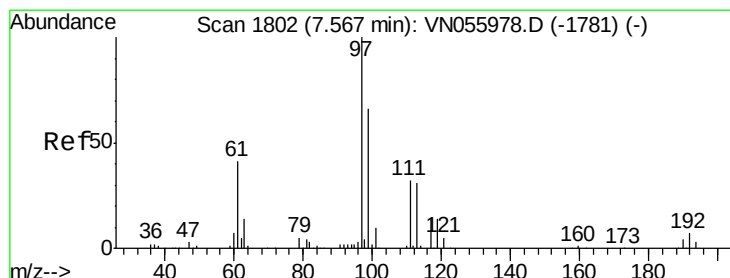
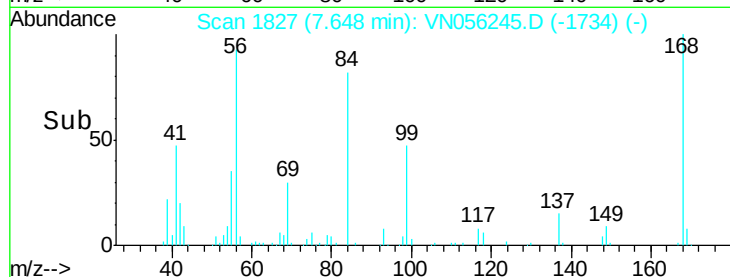
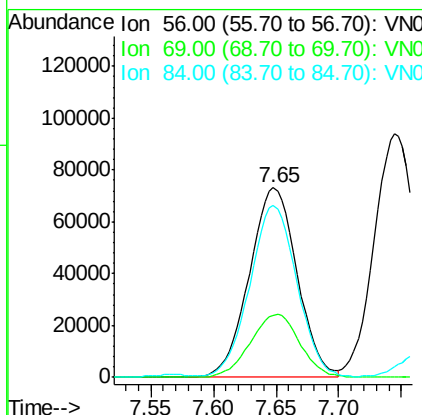
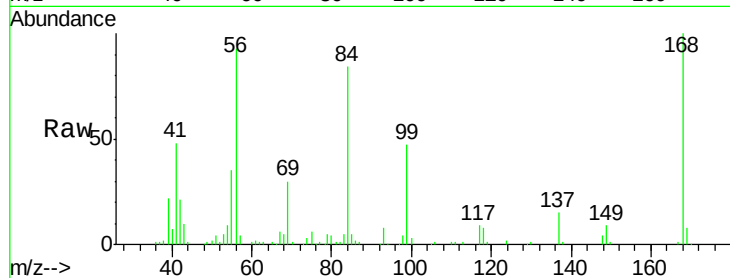
#31
Cyclohexane
Concen: 43.817 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.6	38.4
84	89.5	67.4	101.0

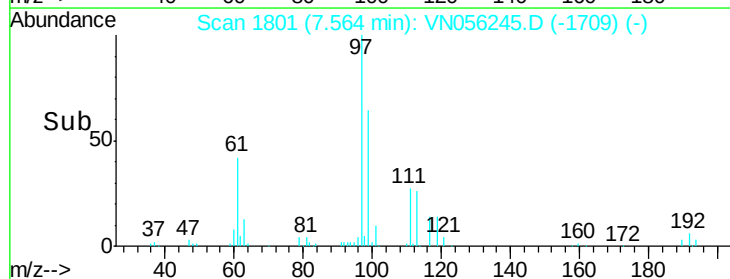
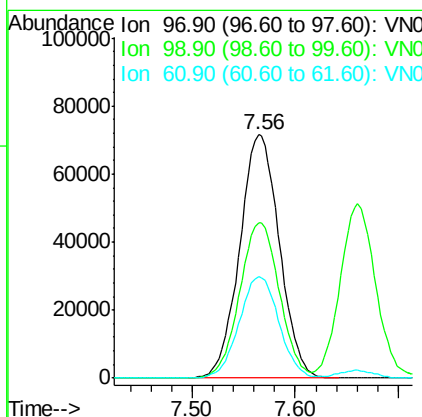
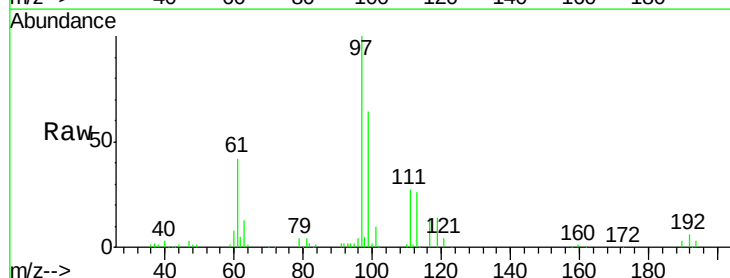
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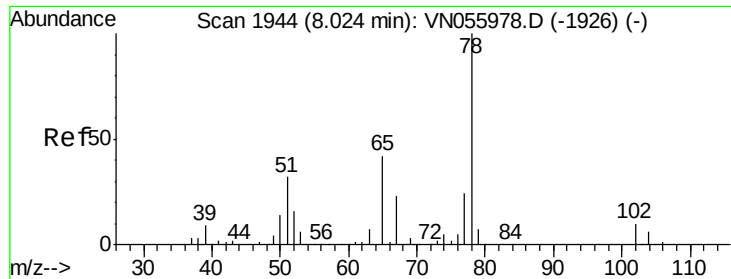
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#32
1,1,1-Trichloroethane
Concen: 51.344 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	41.8	32.9	49.3





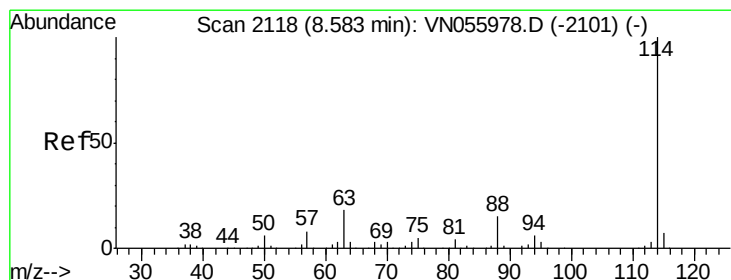
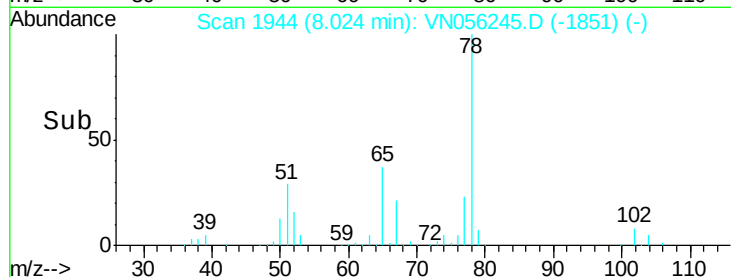
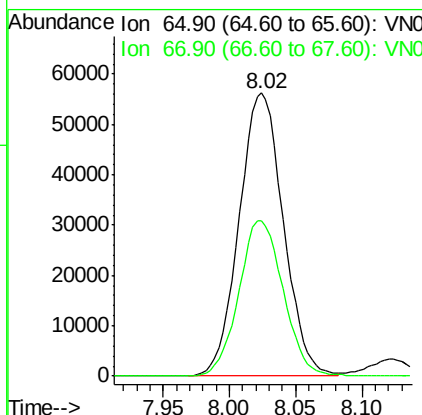
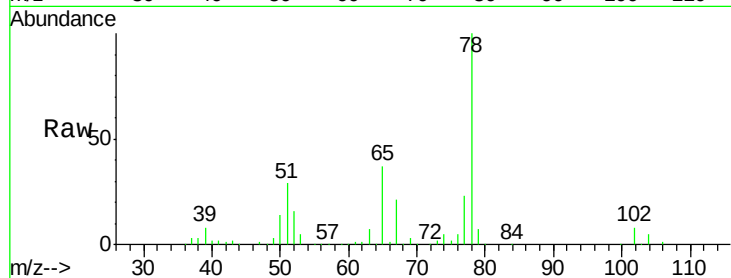
#33
 1,2-Dichloroethane-d4
 Concen: 46.827 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	109.2	

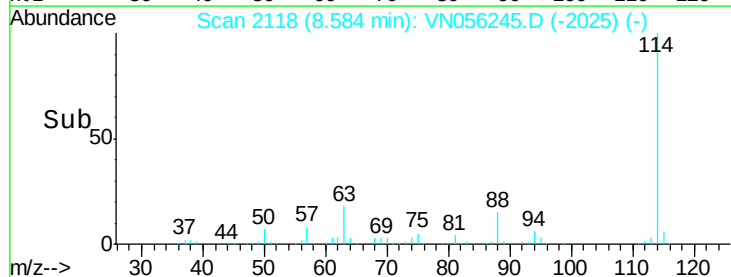
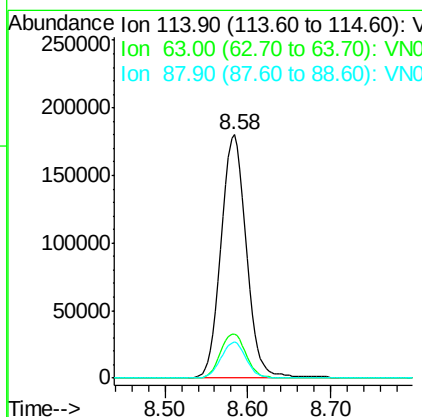
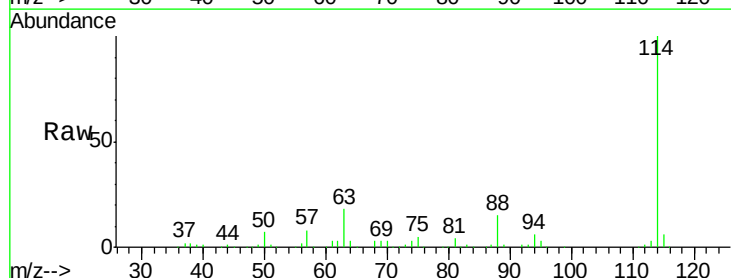
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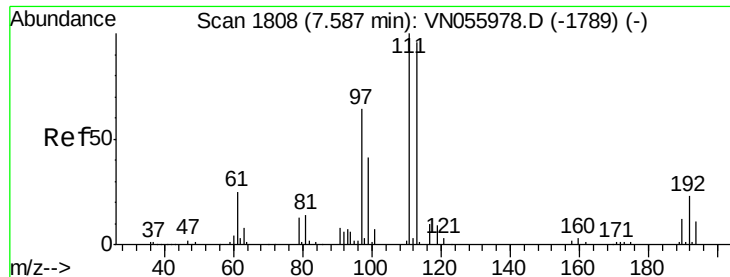
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.3	0.0	39.2	
88	15.0	0.0	31.0	





#35

Dibromofluoromethane

Concen: 52.053 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

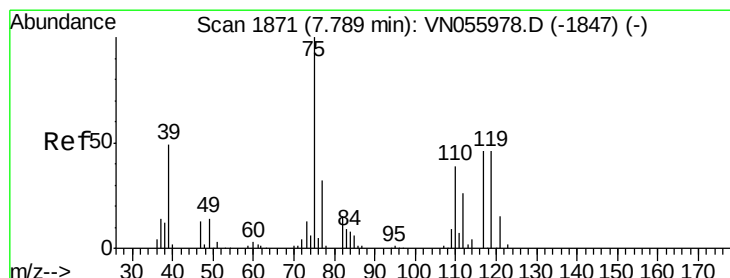
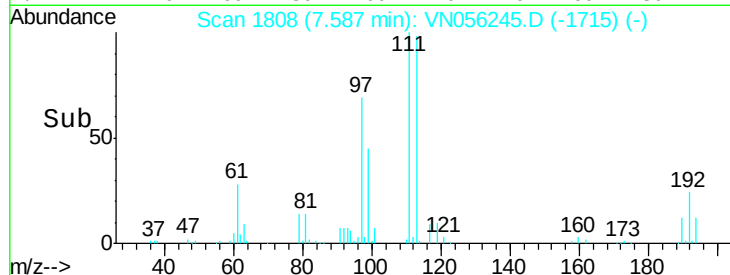
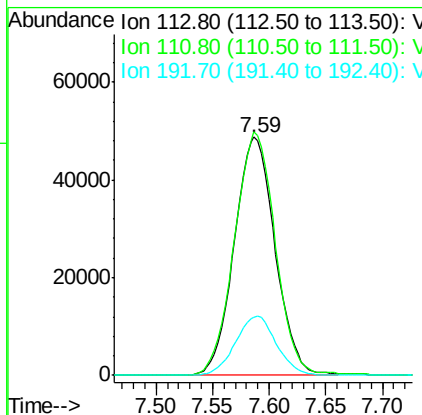
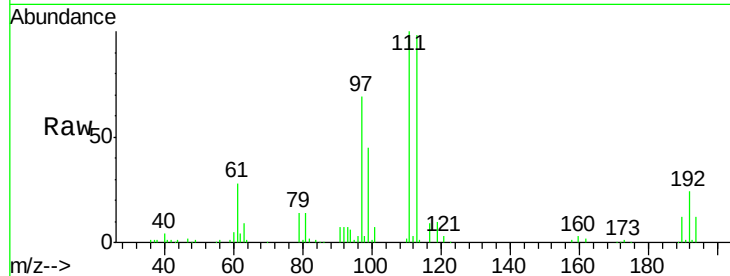
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	122152		
111	102.9	81.9	122.9	
192	24.8	19.5	29.3	

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#36

1,1-Dichloropropene

Concen: 49.898 ug/l

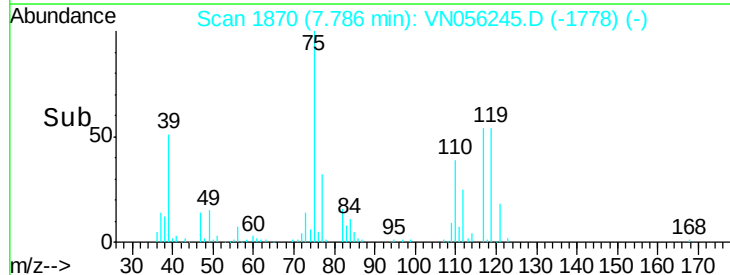
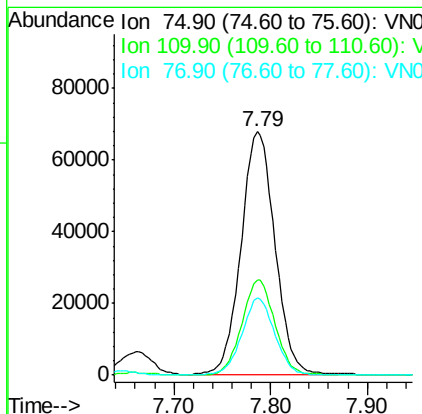
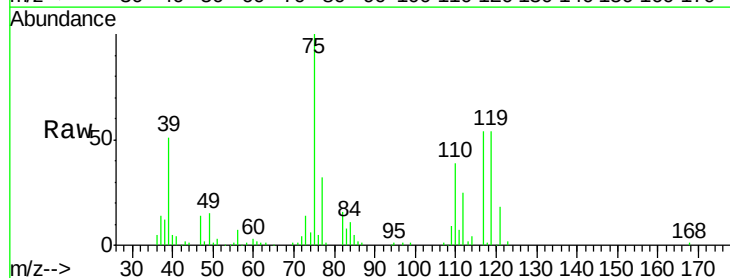
RT: 7.79 min Scan# 1870

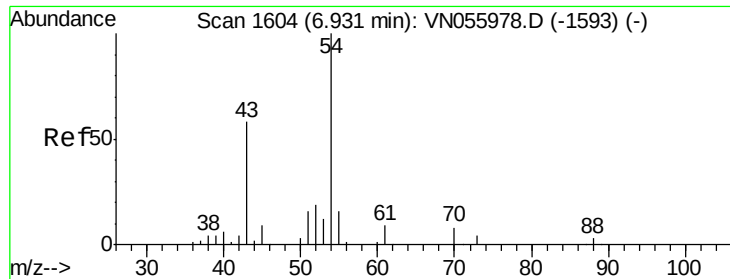
Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	164106		
110	38.6	19.0	57.0	
77	30.8	25.1	37.7	





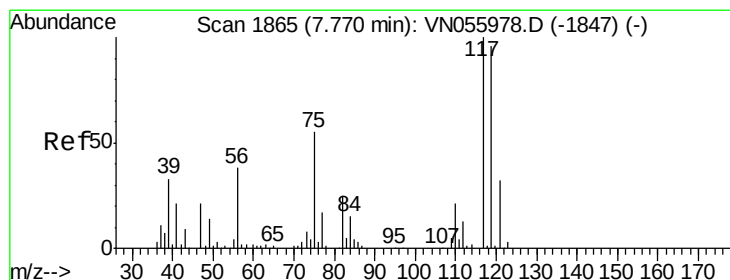
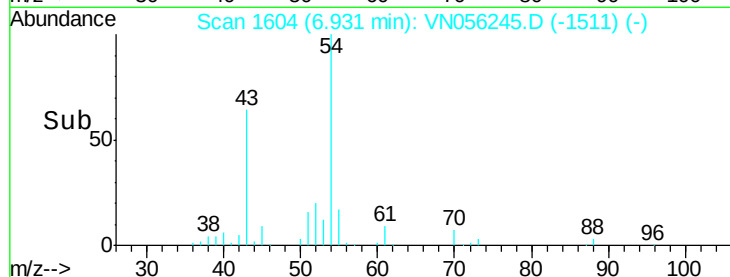
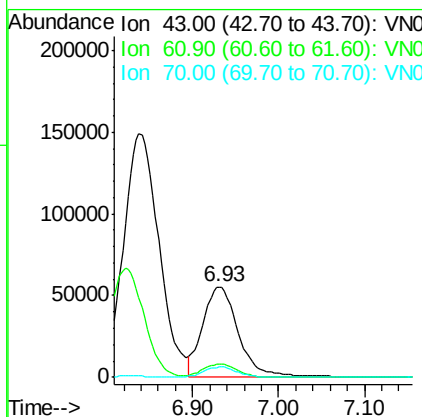
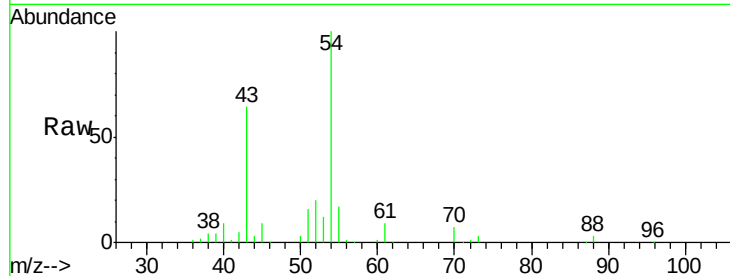
#37
Ethyl Acetate
Concen: 53.636 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.2	18.2
70	11.1	8.9	13.3

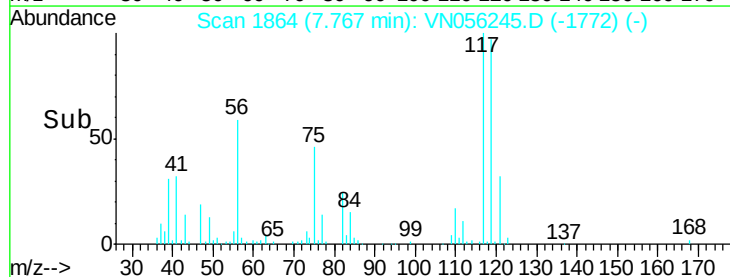
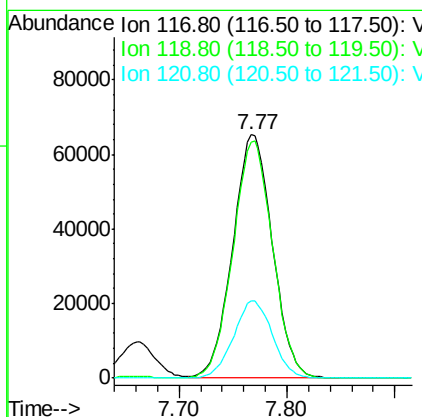
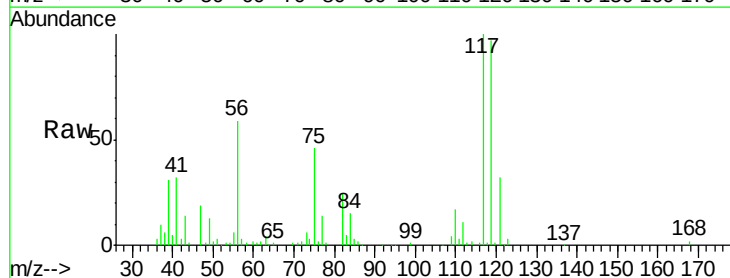
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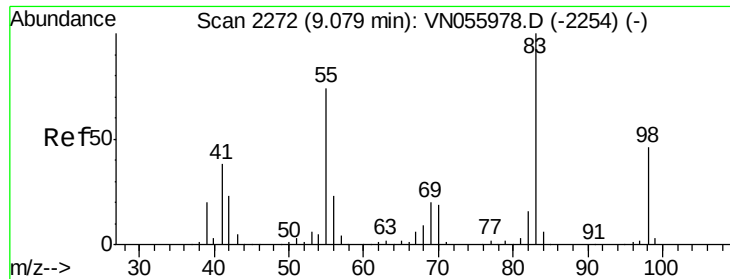
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#38
Carbon Tetrachloride
Concen: 55.103 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.0	118.6
121	32.0	24.7	37.1





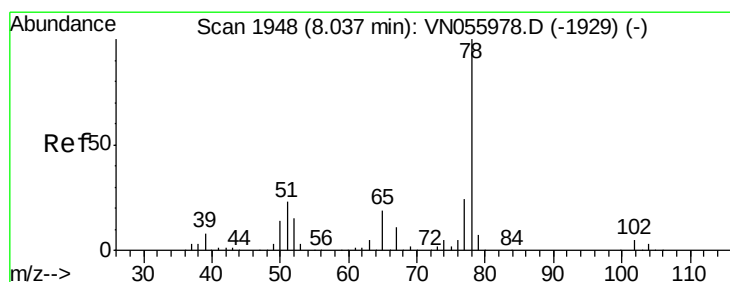
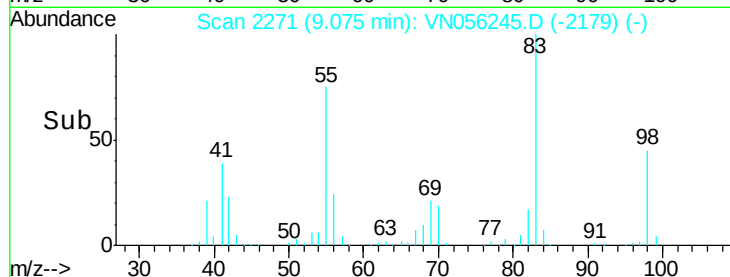
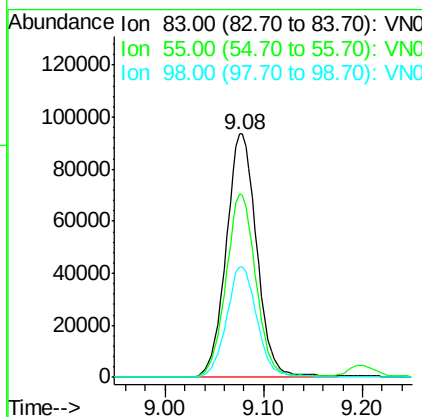
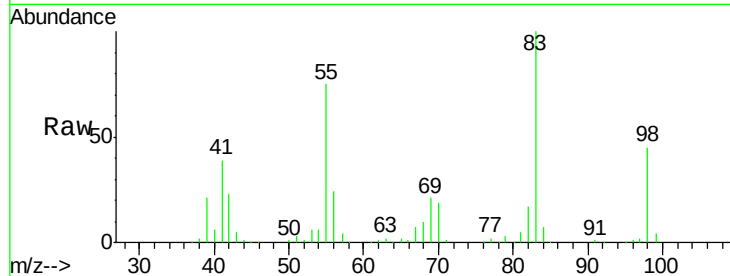
#39
Methylvlcyclohexane
Concen: 49.426 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	59.3	88.9
98	45.5	36.6	54.8

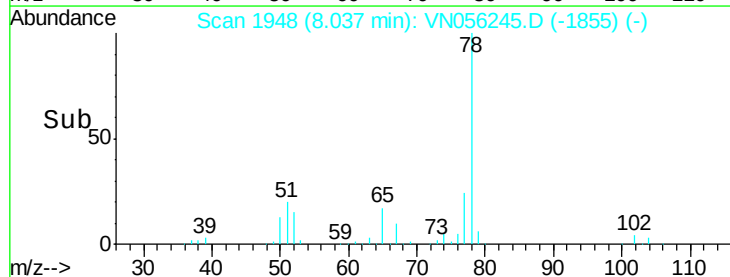
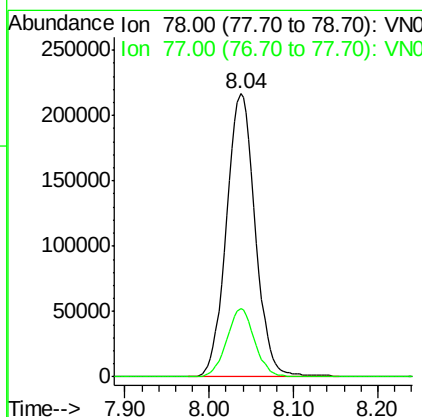
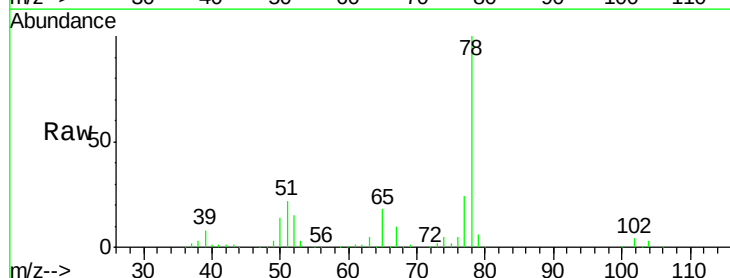
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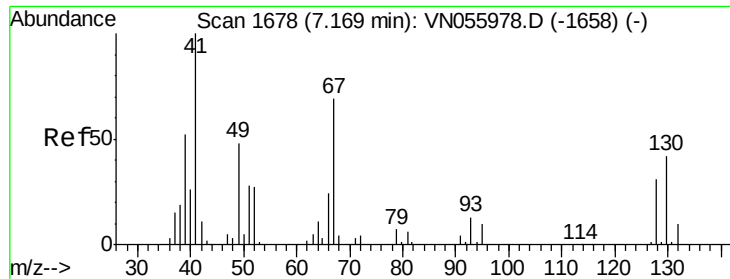
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#40
Benzene
Concen: 51.556 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





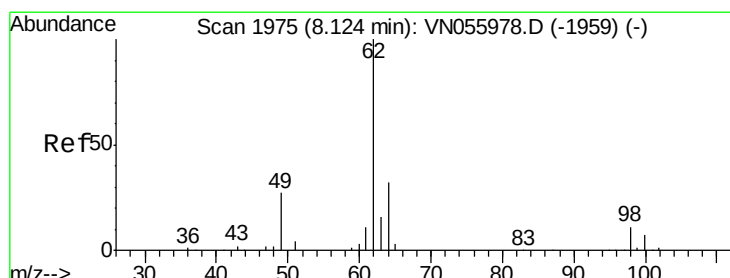
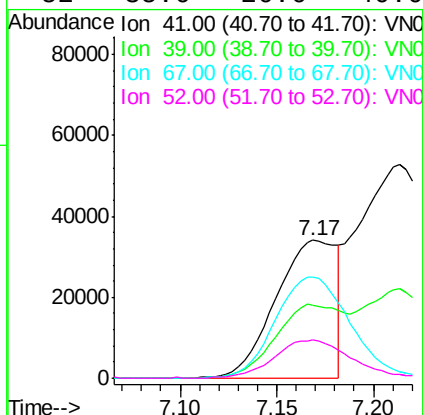
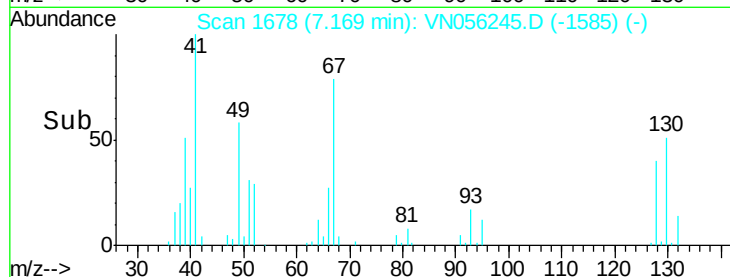
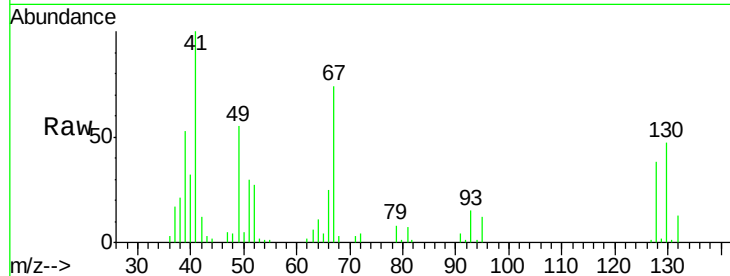
#41
Methacrylonitrile
Concen: 55.486 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	74704
Ion	Ratio	Lower	Upper
41	100		
39	61.1	45.6	68.4
67	91.3	67.7	101.5
52	35.6	26.6	40.0

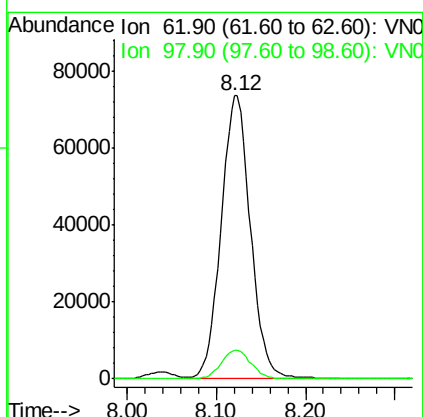
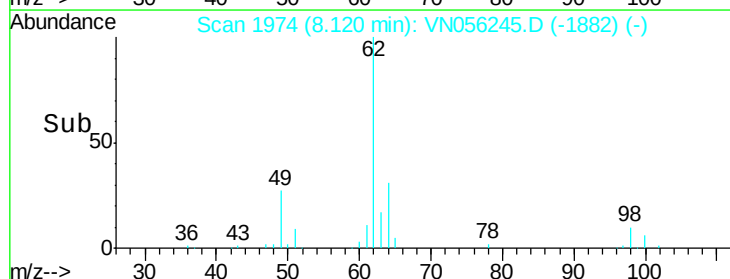
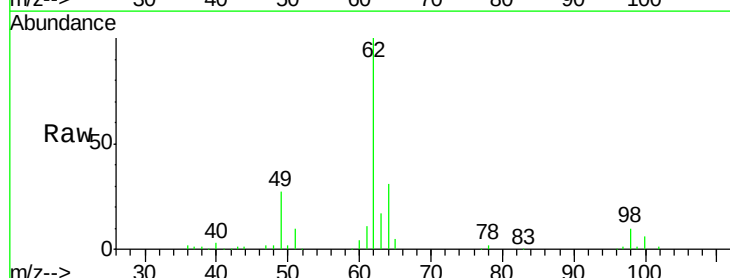
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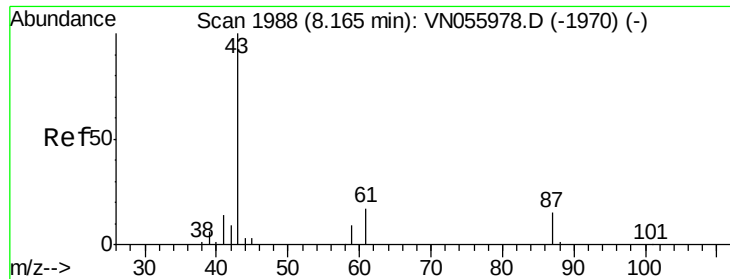
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#42
1,2-Dichloroethane
Concen: 51.868 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion:	62	Resp:	166656
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2





#43

Isopropyl Acetate

Concen: 51.762 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

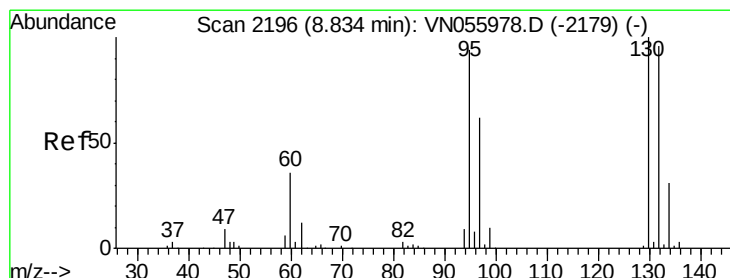
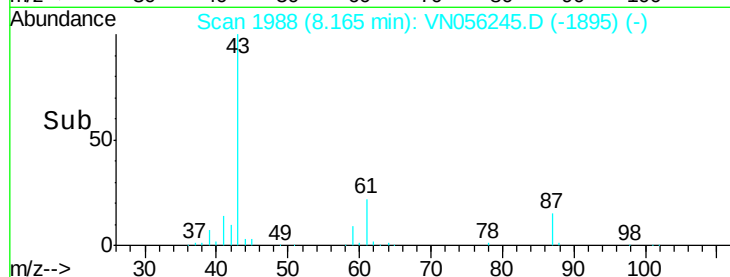
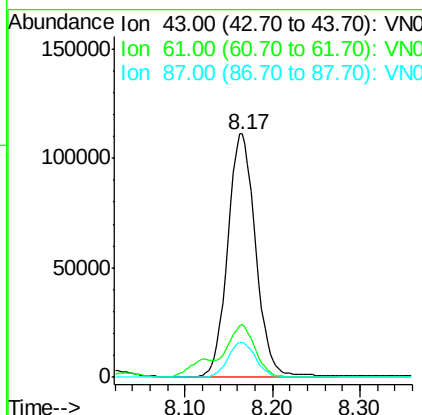
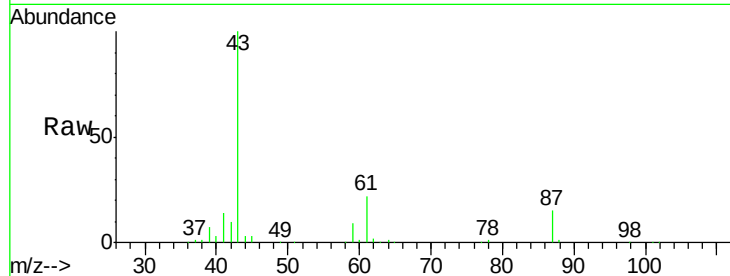
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	245453
Ion	Ratio	Lower	Upper
43	100		
61	21.1	22.2	33.4#
87	14.4	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 52.247 ug/l

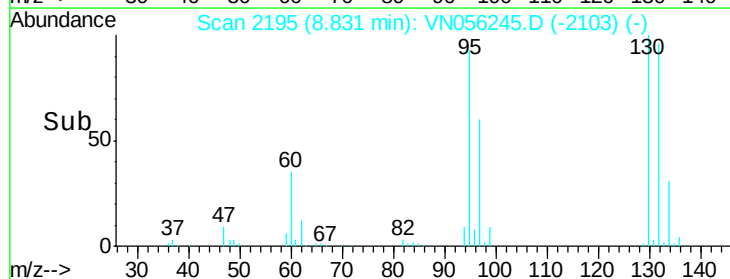
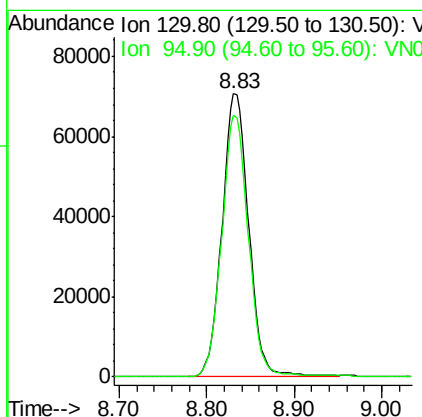
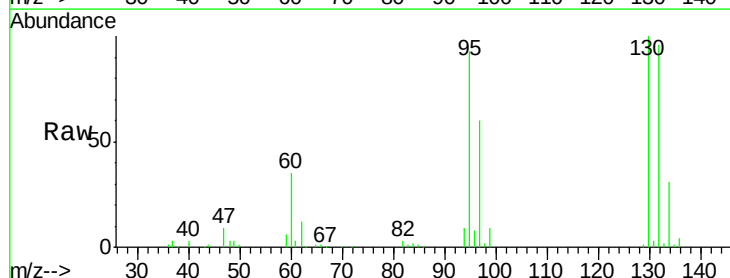
RT: 8.83 min Scan# 2195

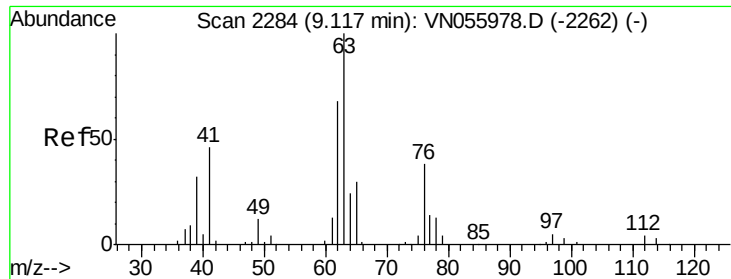
Delta R.T. -0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Tgt Ion:	130	Resp:	149966
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	188.0





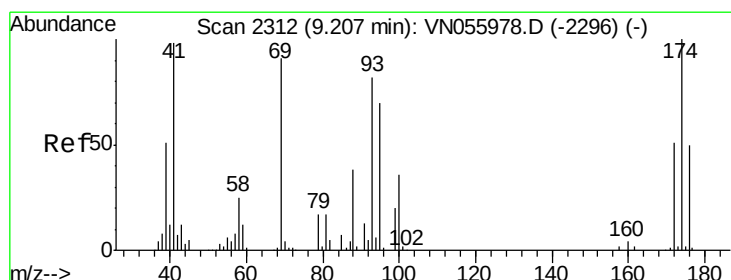
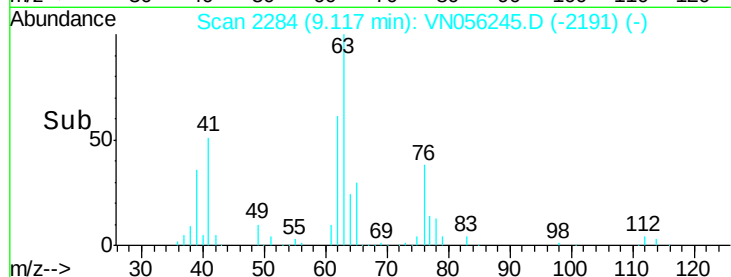
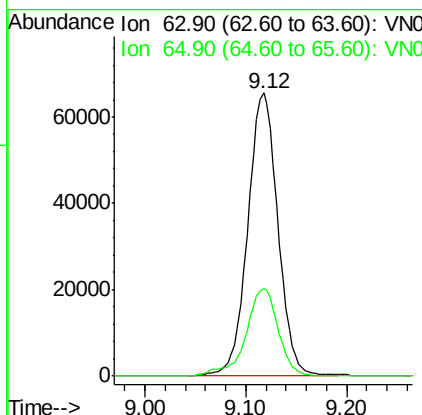
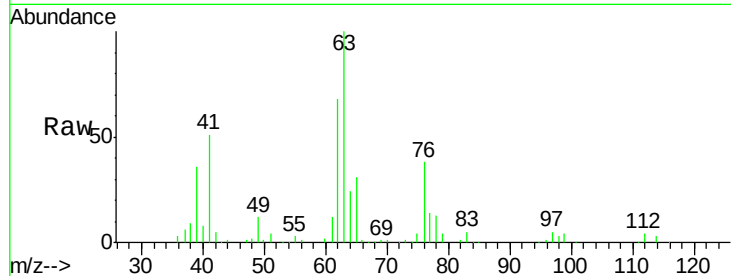
#45
1,2-Dichloropropane
Concen: 52.930 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 135426
Ion Ratio Lower Upper
63 100
65 30.9 24.6 36.8

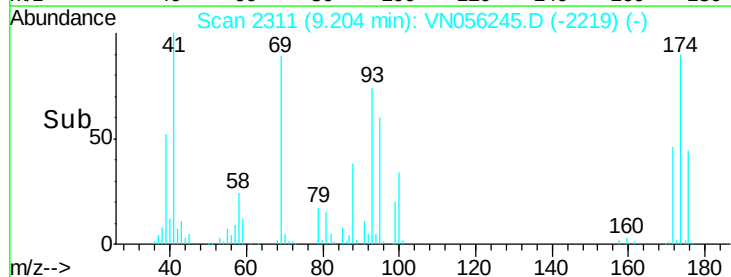
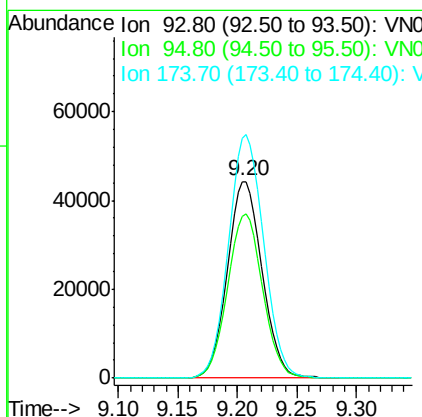
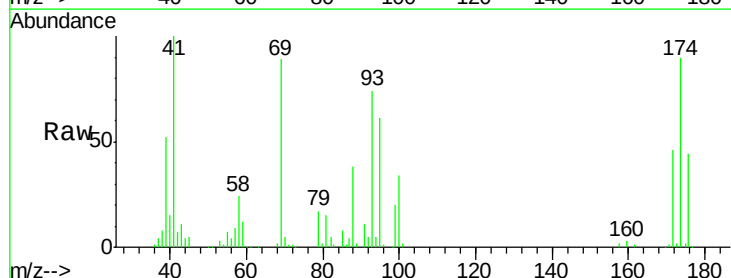
Manual Integrations
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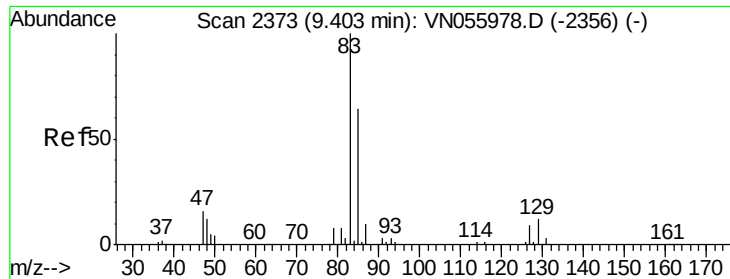
MMDadoda
6/13/2019 11:08:36 AM



#46
Dibromomethane
Concen: 53.653 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 93 Resp: 89769
Ion Ratio Lower Upper
93 100
95 84.0 66.7 100.1
174 125.4 96.4 144.6





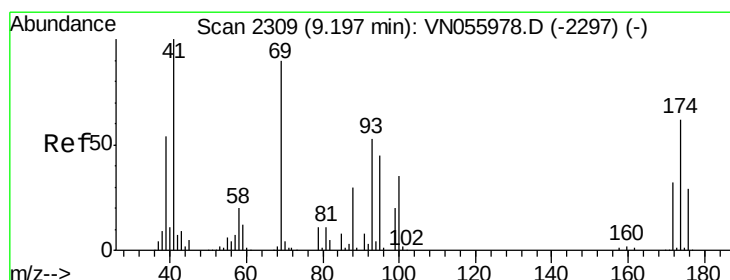
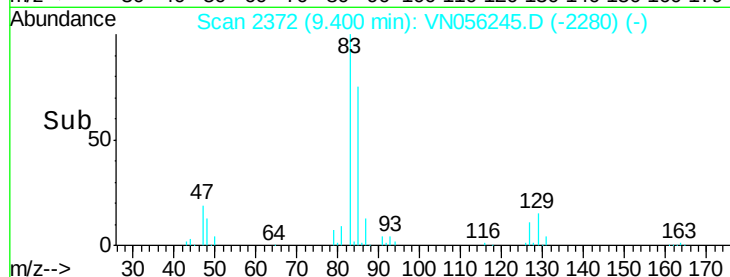
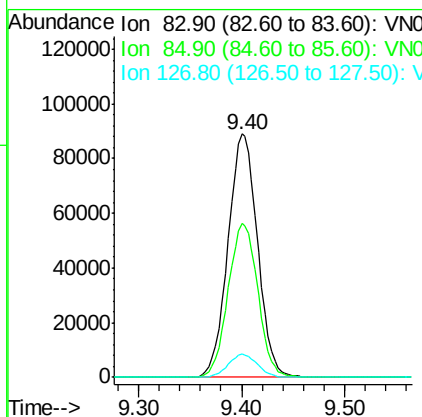
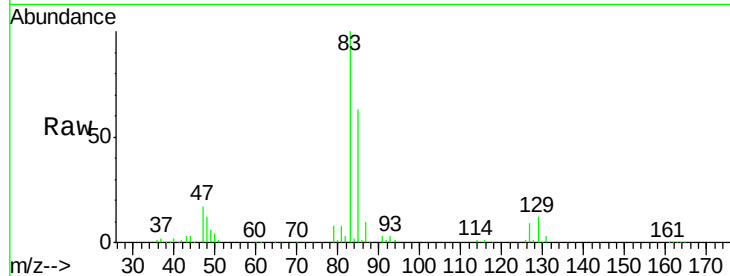
#47
Bromodichloromethane
Concen: 58.616 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.2
127	9.4	7.4	11.0

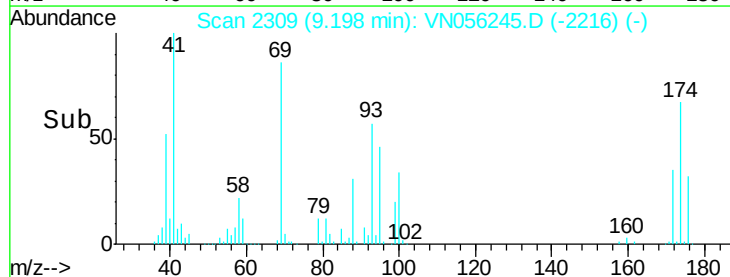
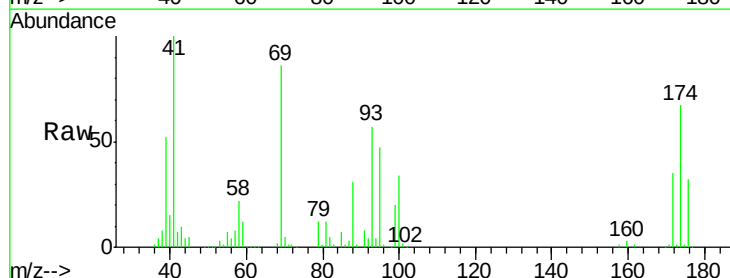
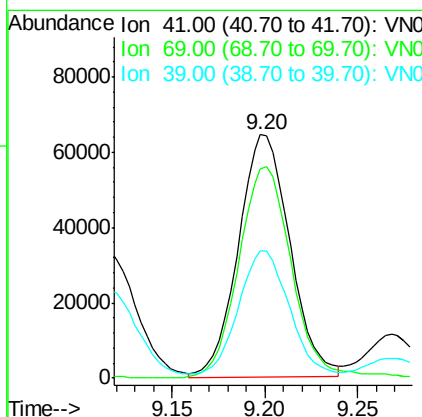
Manual Integrations
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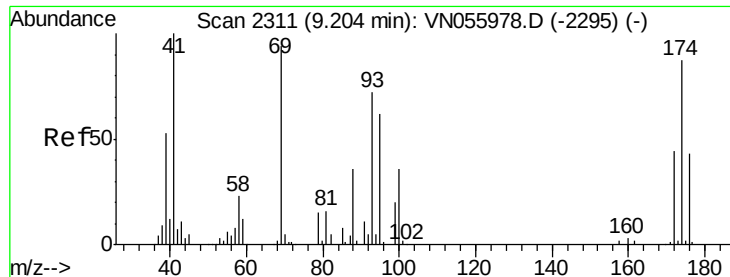
MMDadoda
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#48
Methyl methacrylate
Concen: 53.756 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.7	71.0	106.6
39	52.4	44.2	66.2





#49

1,4-Dioxane

Concen: 1104.474 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 55316

Ion Ratio Lower Upper

88 100

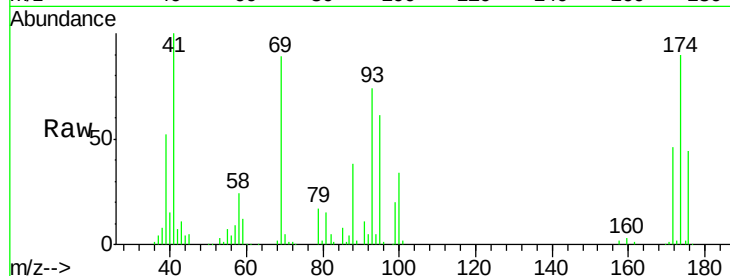
43 25.6 20.5 30.7

58 61.9 55.8 83.6

Manual Integrations
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MMDadoda

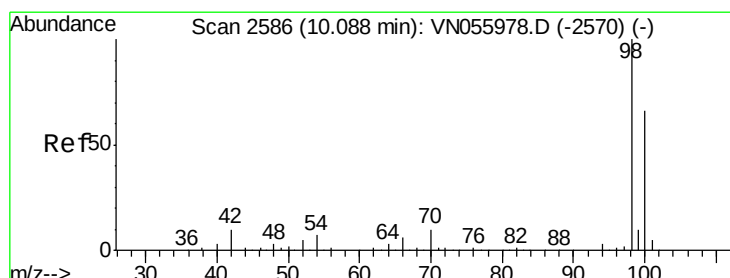
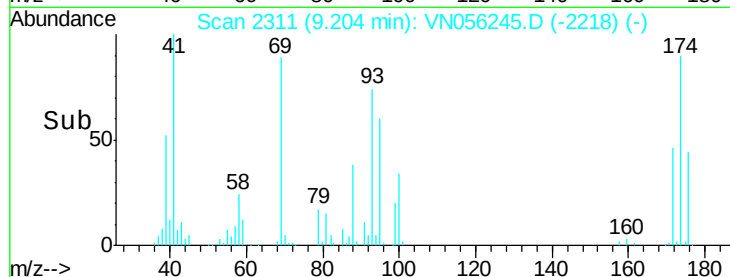
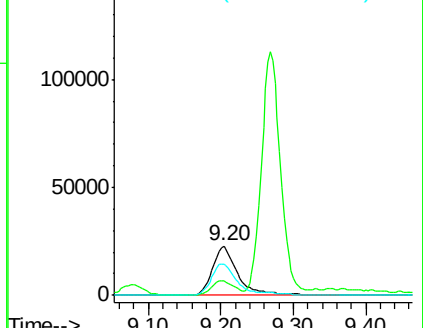
6/13/2019 11:08:36 AM



Abundance Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)



#50

Toluene-d8

Concen: 48.768 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056245.D

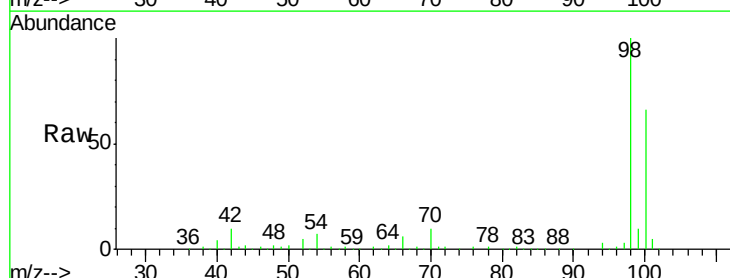
Acq: 12 Jun 2019 13:36

Tgt Ion: 98 Resp: 440373

Ion Ratio Lower Upper

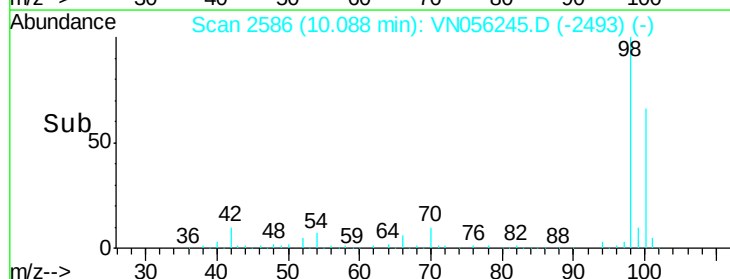
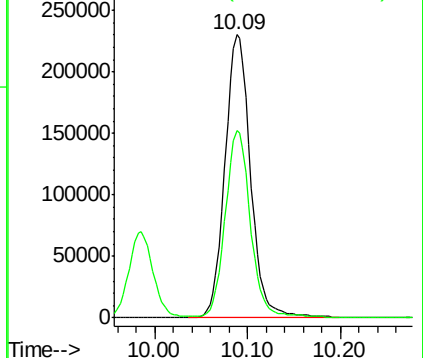
98 100

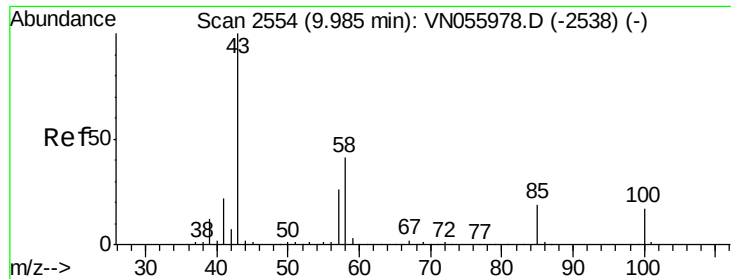
100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 271.410 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 804831

Ion Ratio Lower Upper

43 100

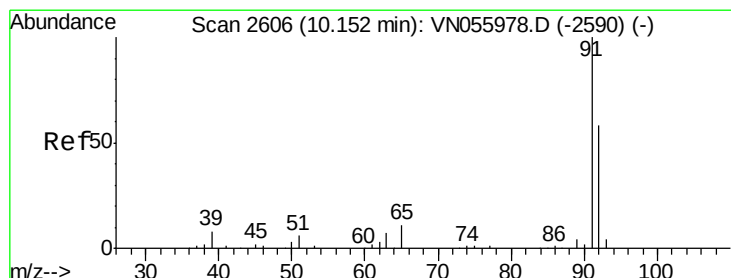
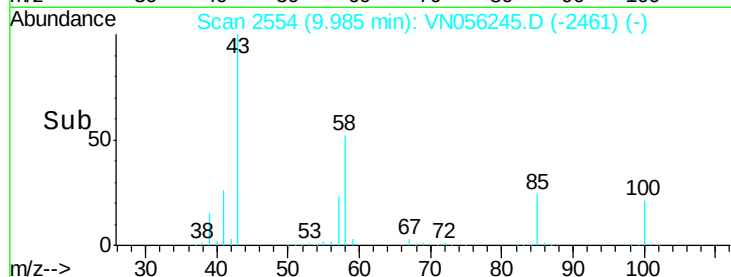
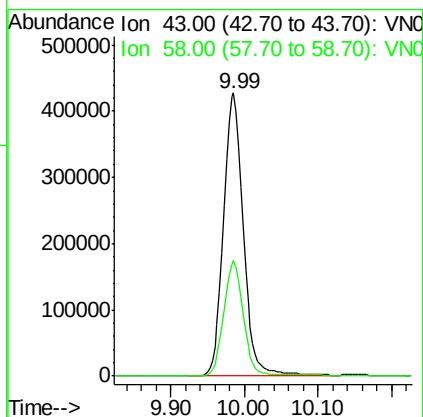
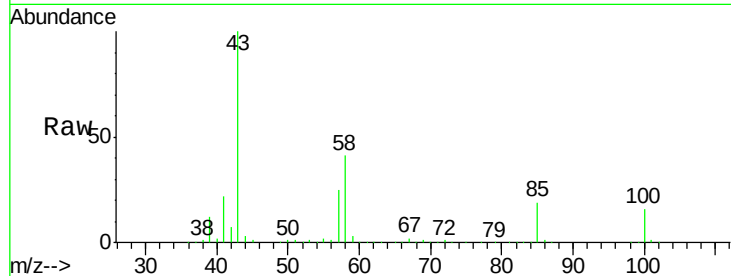
58 40.2 32.1 48.1

Manual Integrations

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#52

Toluene

Concen: 52.408 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056245.D

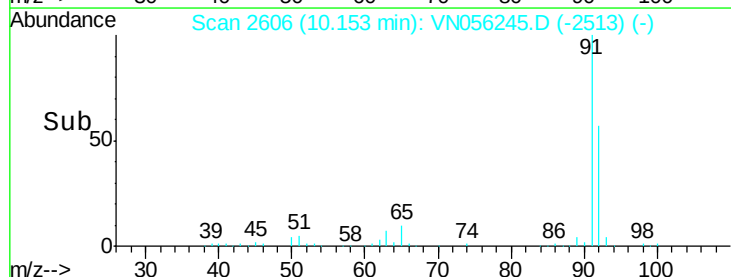
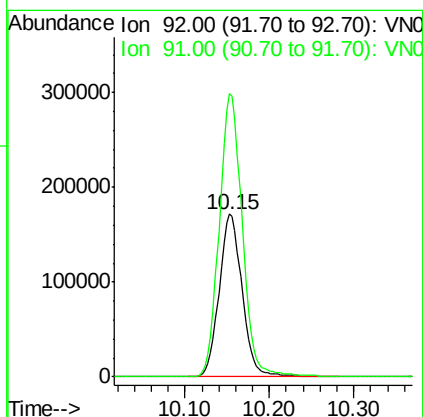
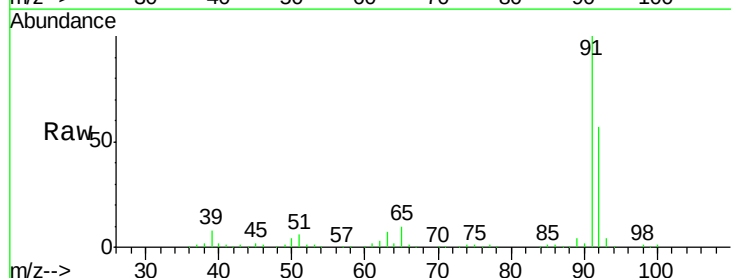
Acq: 12 Jun 2019 13:36

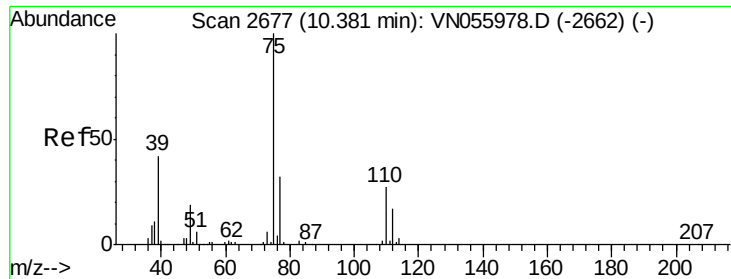
Tgt Ion: 92 Resp: 325752

Ion Ratio Lower Upper

92 100

91 174.5 139.4 209.2





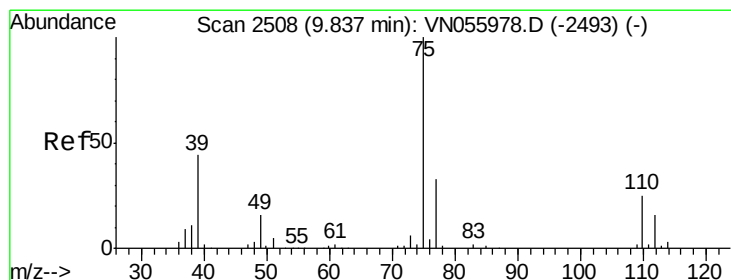
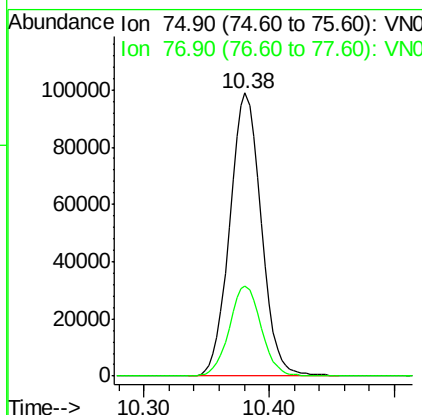
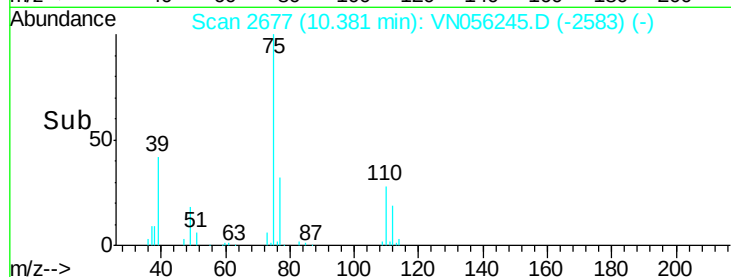
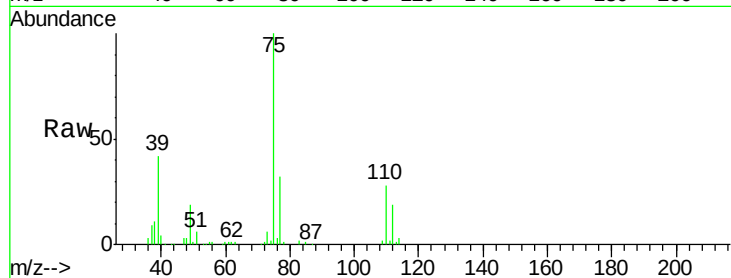
#53
 t-1,3-Dichloropropene
 Concen: 48.639 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 75 Resp: 172679
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6

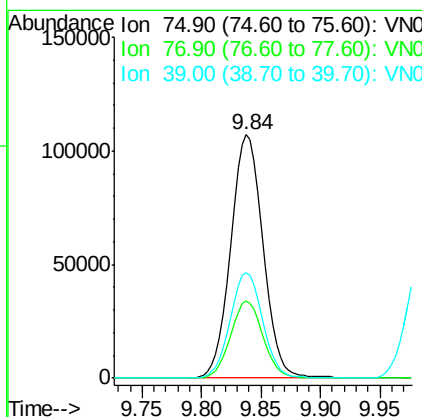
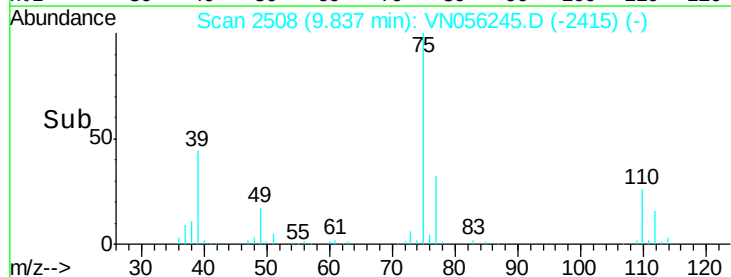
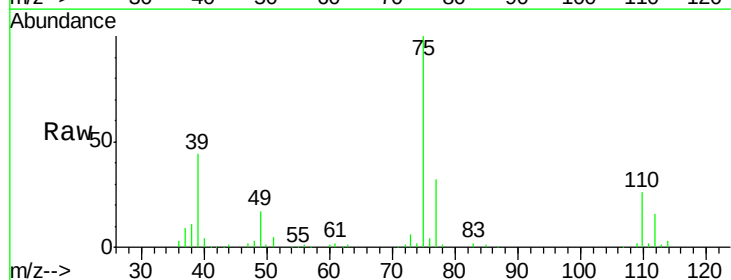
Manual Integrations
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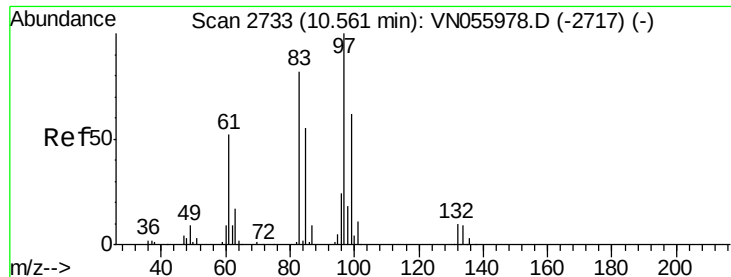
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#54
 cis-1,3-Dichloropropene
 Concen: 55.343 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion: 75 Resp: 201723
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.0
 39 43.4 36.3 54.5





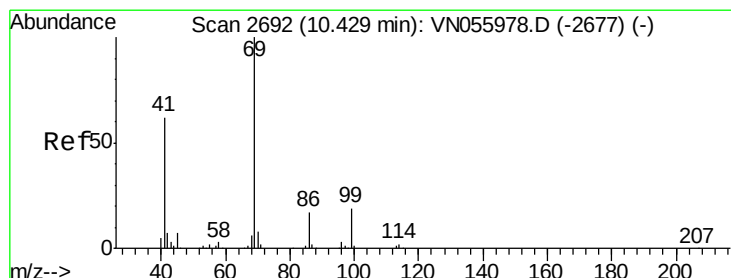
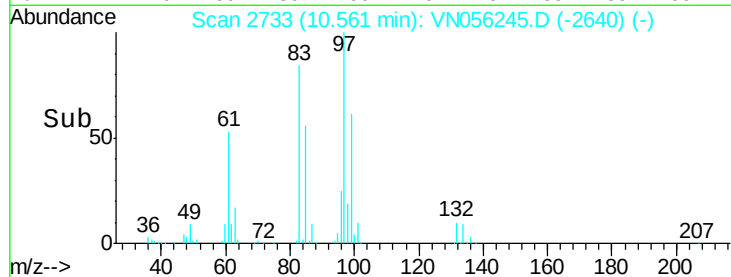
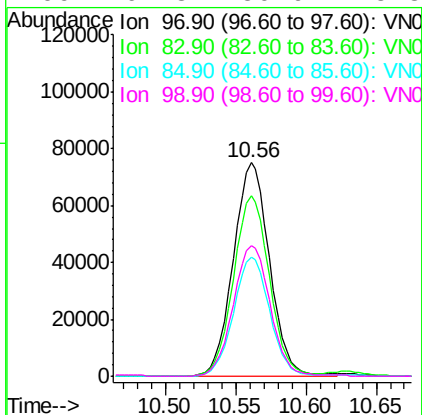
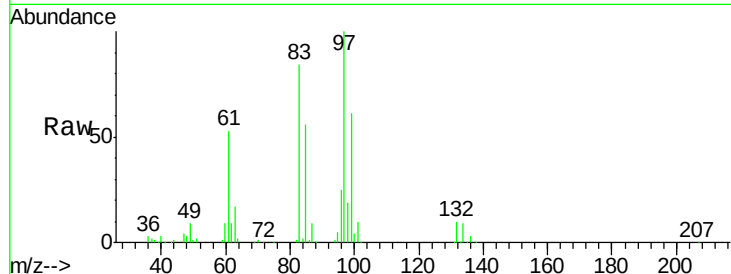
#55
 1,1,2-Trichloroethane
 Concen: 54.938 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	135266		
83	84.3	67.0	100.6	
85	56.0	44.0	66.0	
99	61.3	50.6	75.8	

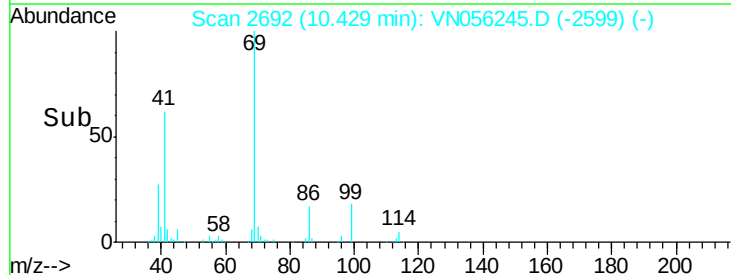
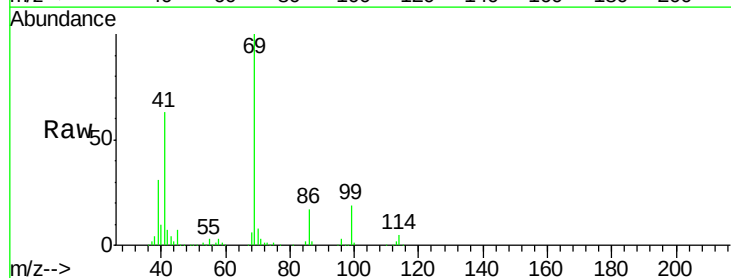
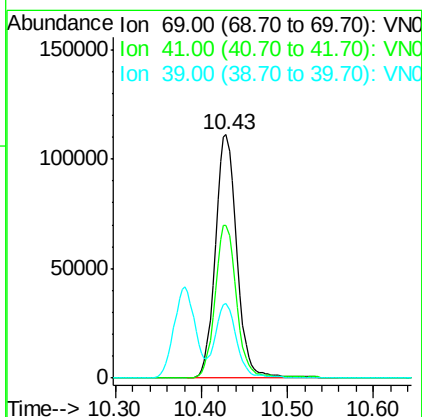
Manual Integrations
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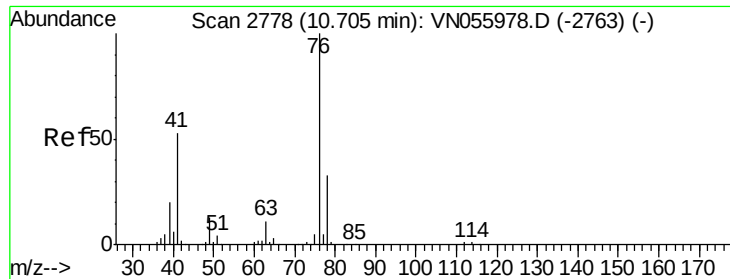
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 54.160 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	194544		
41	61.2	49.7	74.5	
39	29.9	24.7	37.1	





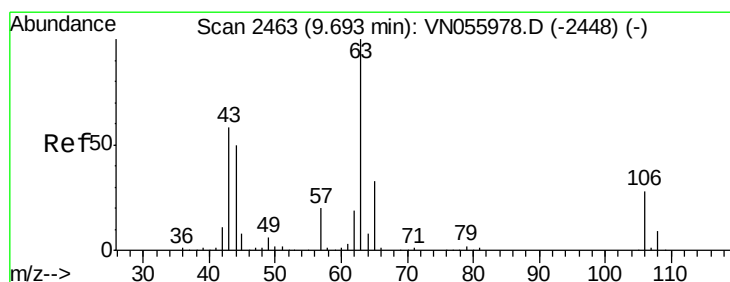
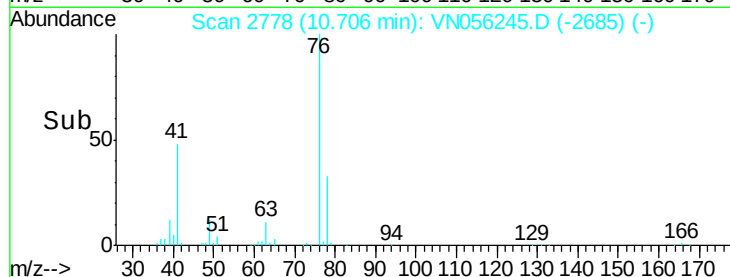
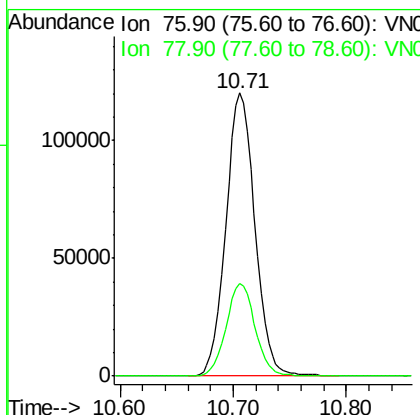
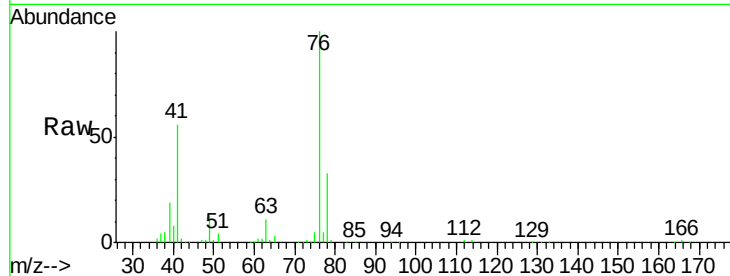
#57
 1,3-Dichloropropane
 Concen: 53.752 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 215145
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6

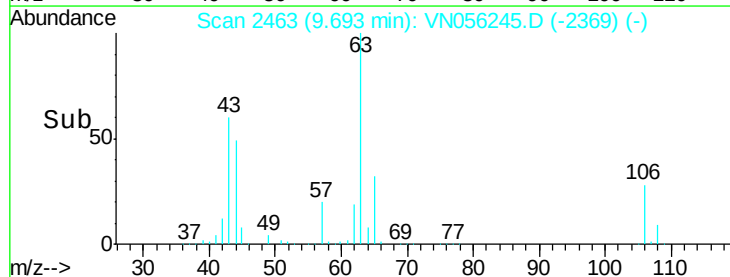
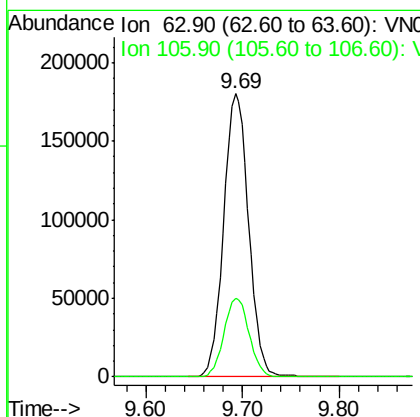
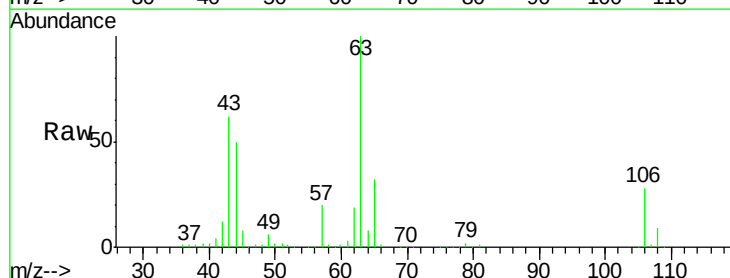
Manual Integrations
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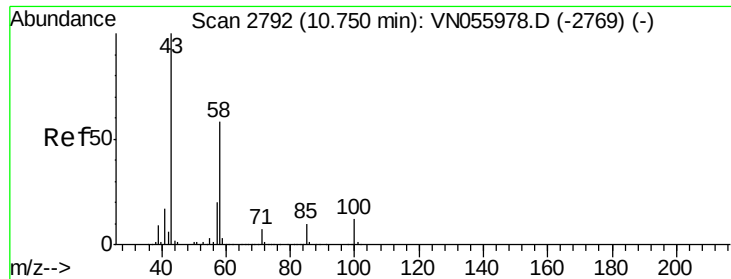
MMDadoda
 6/13/2019 11:08:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.166 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion: 63 Resp: 322981
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.7 34.1





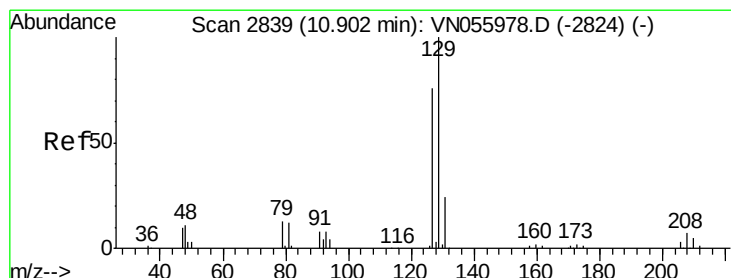
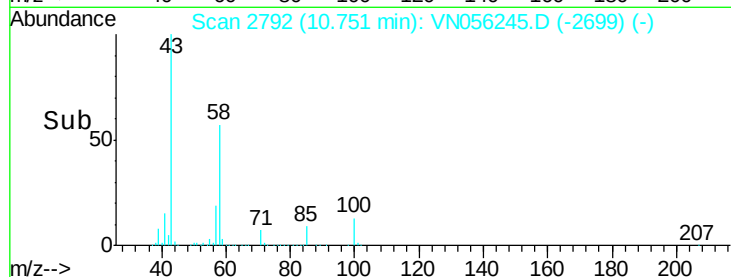
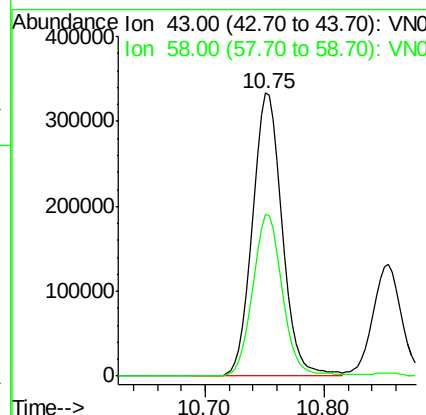
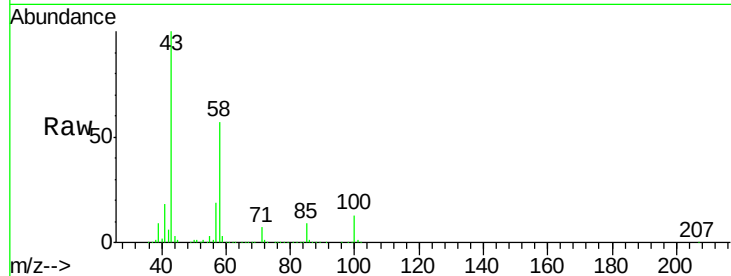
#59
2-Hexanone
Concen: 268.756 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 577618
Ion Ratio Lower Upper
43 100
58 57.1 28.2 84.7

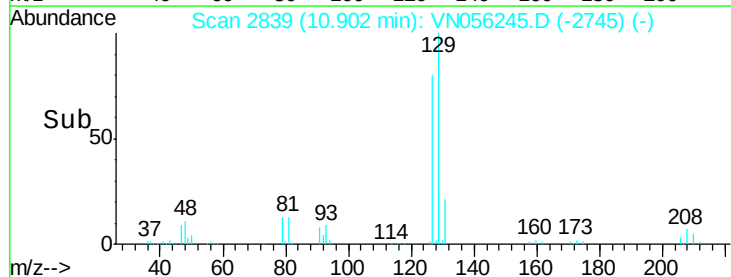
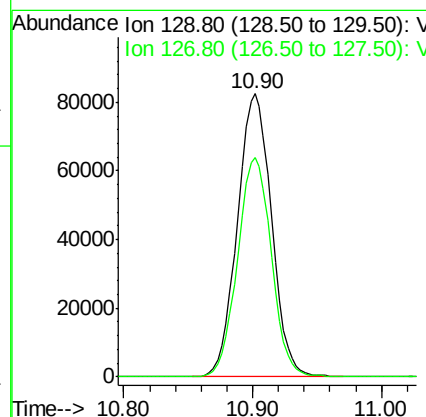
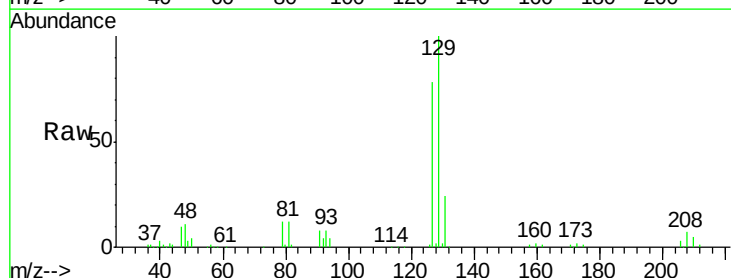
Manual Integrations
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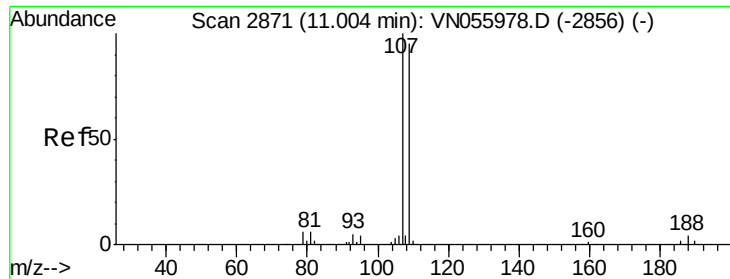
MMDadoda
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#60
Dibromochloromethane
Concen: 55.610 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 129 Resp: 151795
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3





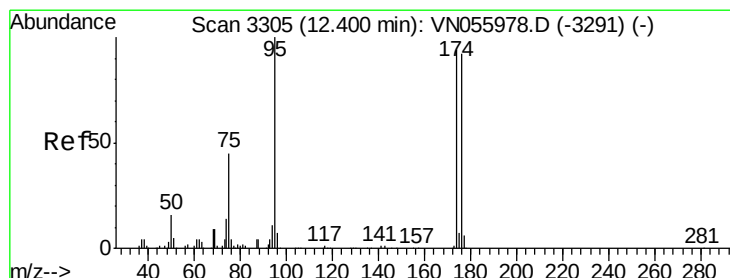
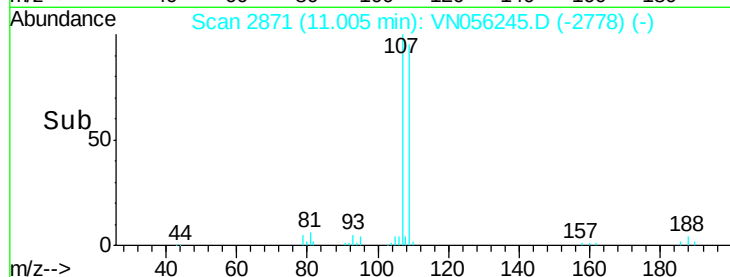
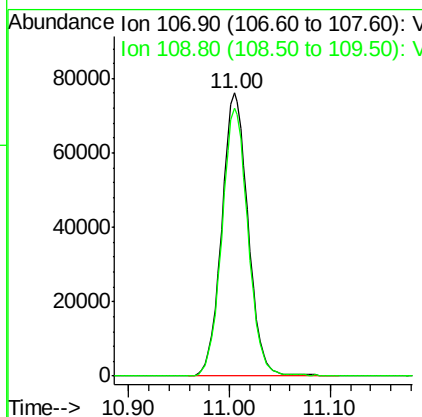
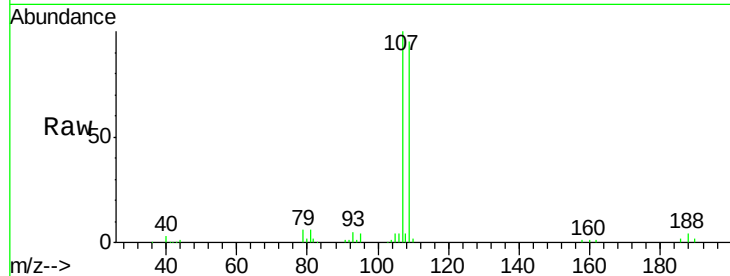
#61
 1,2-Dibromoethane
 Concen: 55.084 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.8	112.2

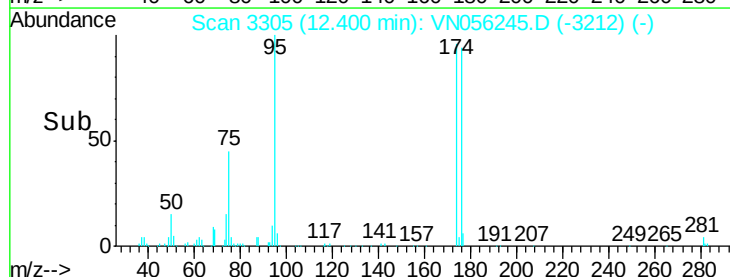
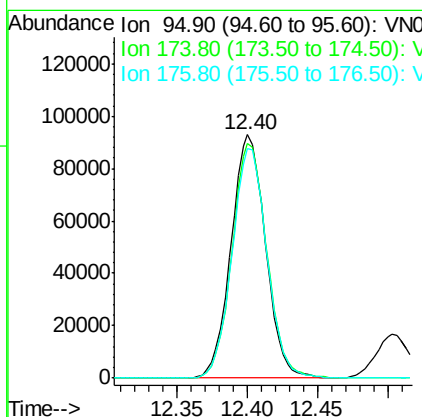
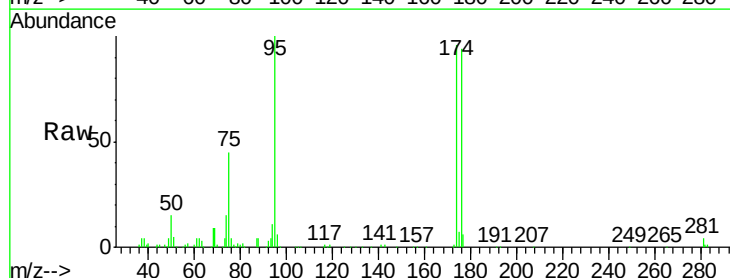
Manual Integrations
 APPROVED

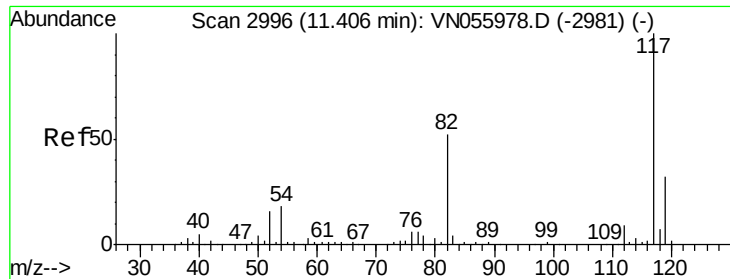
MMDadoda
 6/13/2019 11:08:36 AM



#62
 4-Bromofluorobenzene
 Concen: 51.791 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.2	0.0	191.0
176	95.3	0.0	185.2





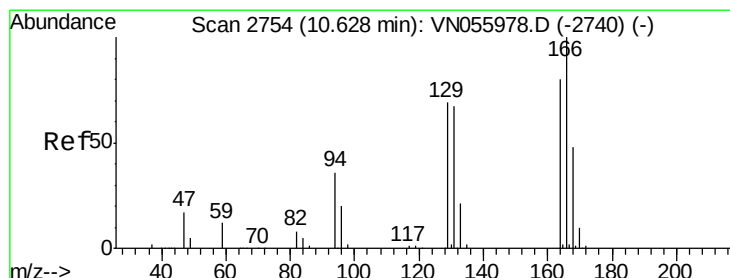
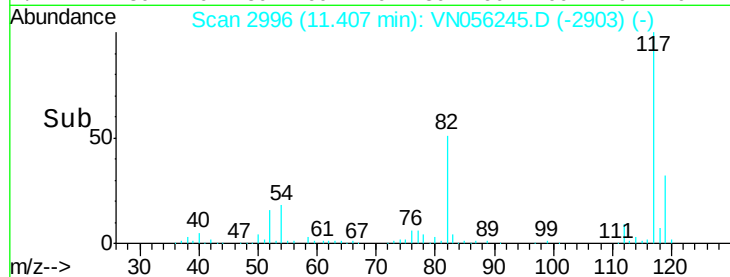
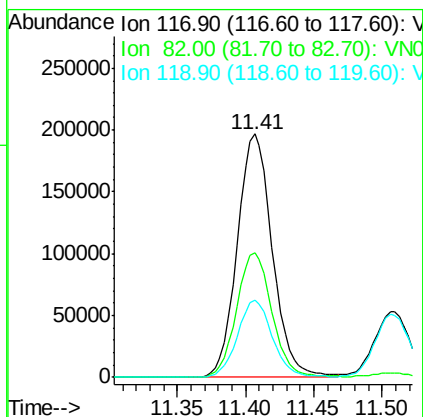
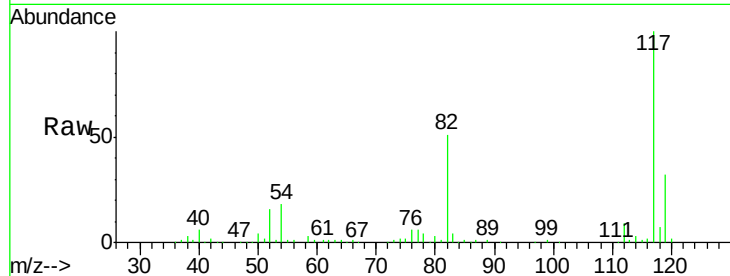
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.8	62.8
119	31.6	25.4	38.0

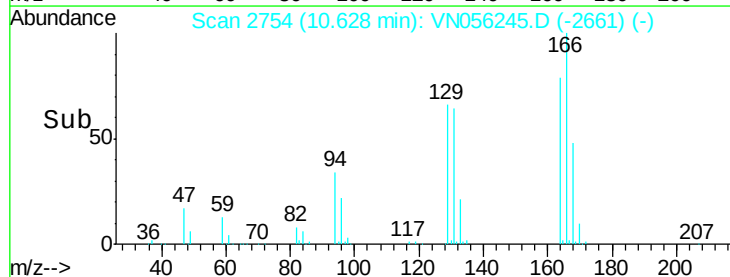
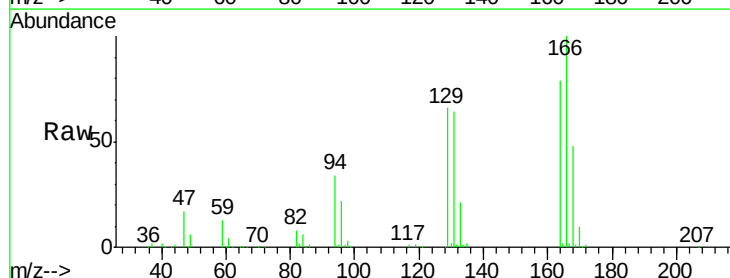
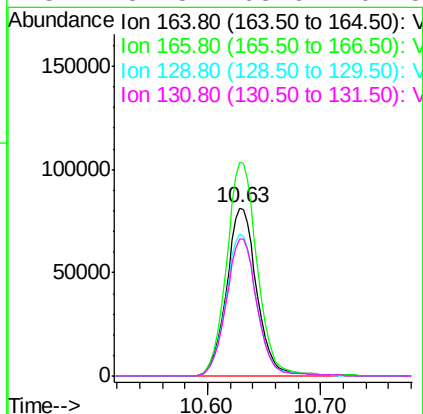
Manual Integrations
APPROVED

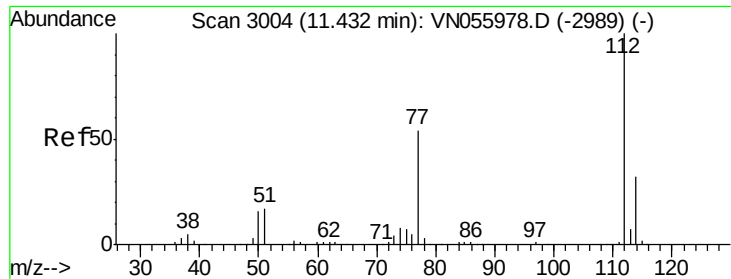
MMDadoda
6/13/2019 11:08:36 AM



#64
Tetrachloroethene
Concen: 49.557 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.0	154.6
129	84.4	70.6	105.8
131	81.8	68.6	102.8





#65

Chlorobenzene

Concen: 51.495 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 360705

Ion Ratio Lower Upper

112 100

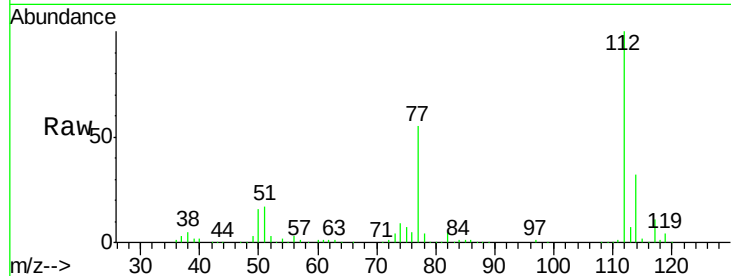
114 32.1 26.2 39.4

Manual Integrations

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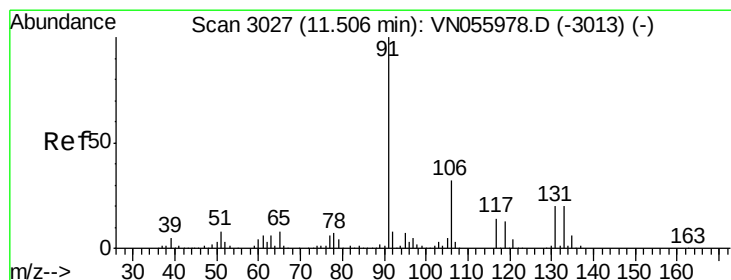
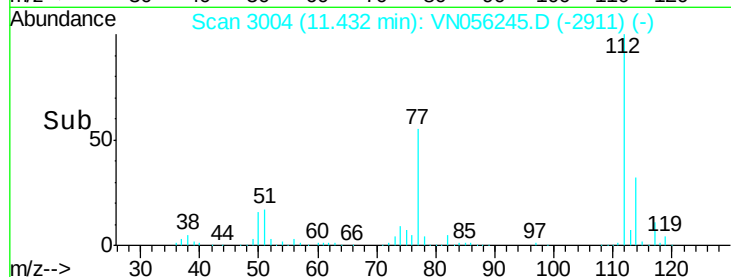
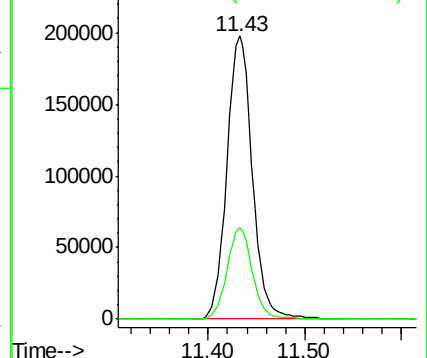
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.485 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

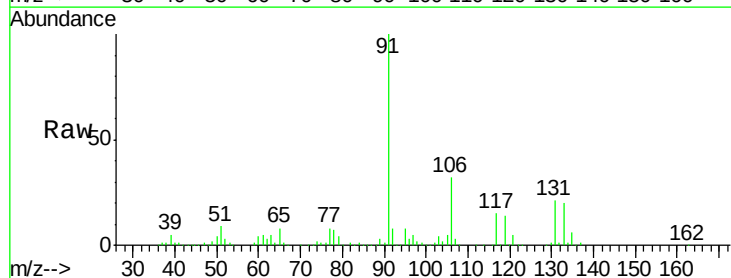
Tgt Ion:131 Resp: 136618

Ion Ratio Lower Upper

131 100

133 97.6 48.0 144.0

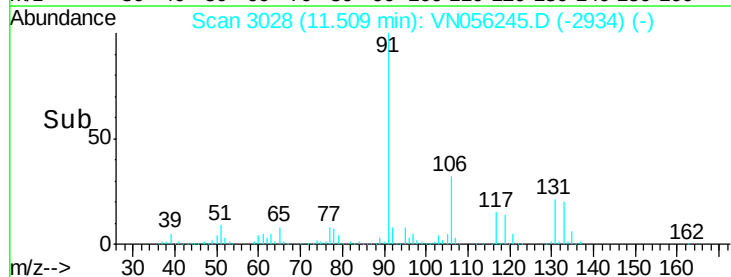
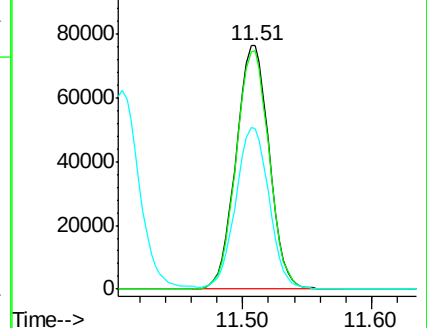
119 67.0 33.1 99.5

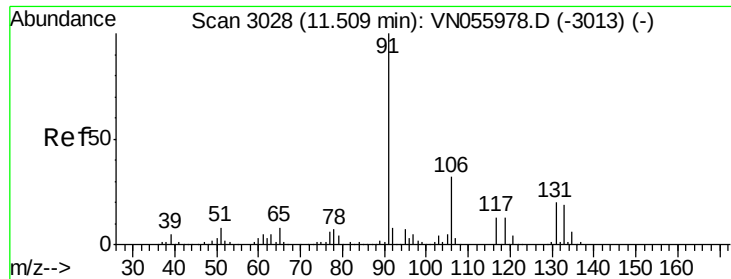


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





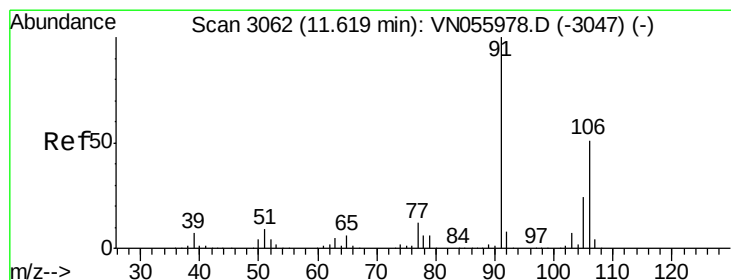
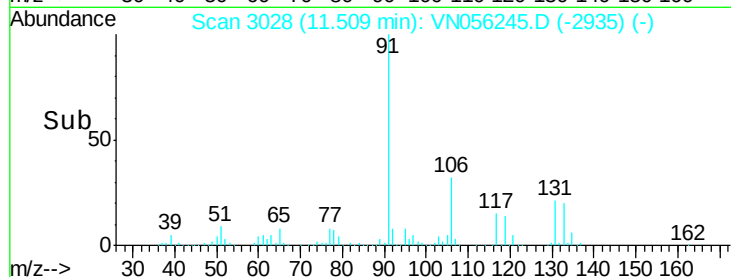
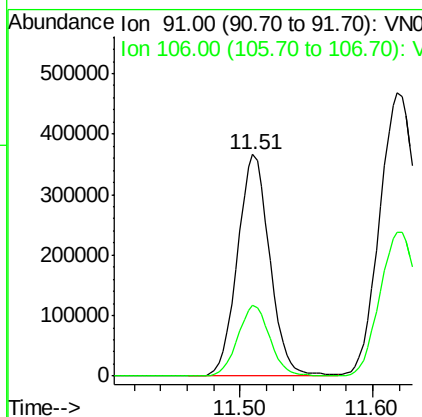
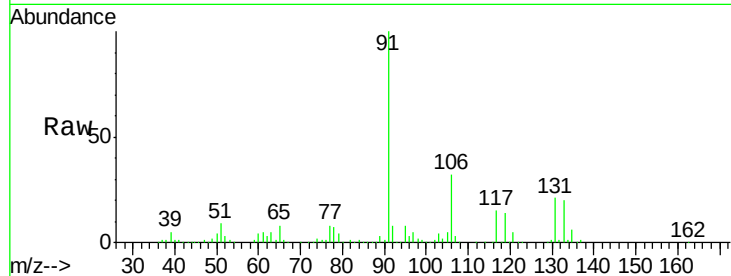
#67
Ethyl Benzene
Concen: 50.859 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 619461
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

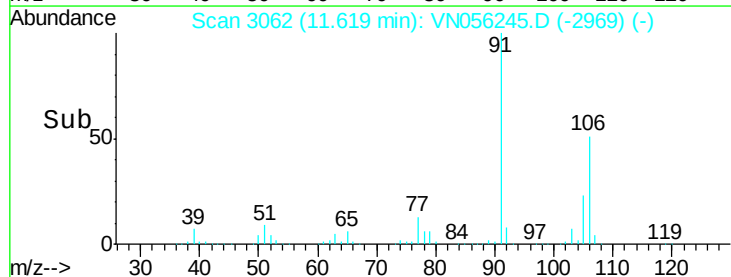
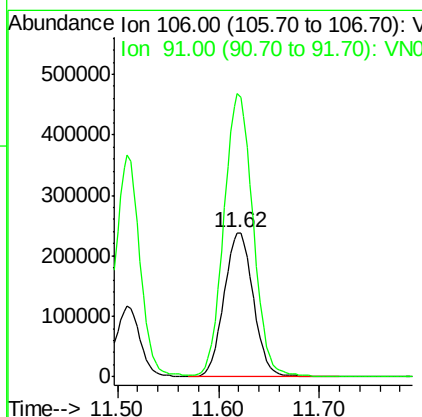
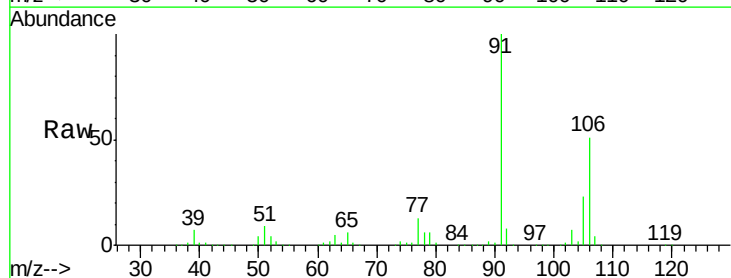
Manual Integrations
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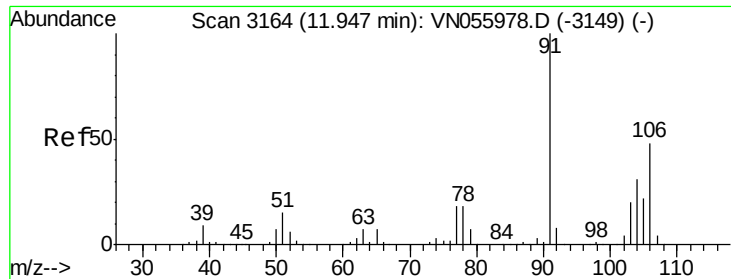
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#68
m/p-Xylenes
Concen: 104.136 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 106 Resp: 484535
Ion Ratio Lower Upper
106 100
91 195.5 159.3 238.9





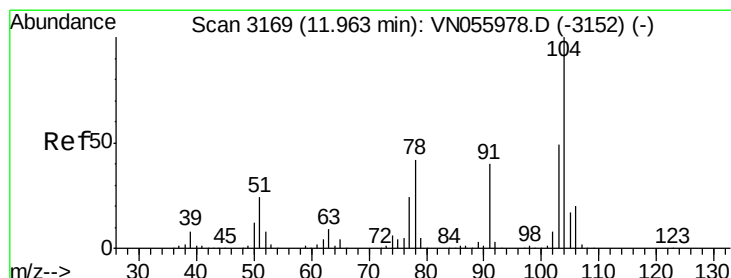
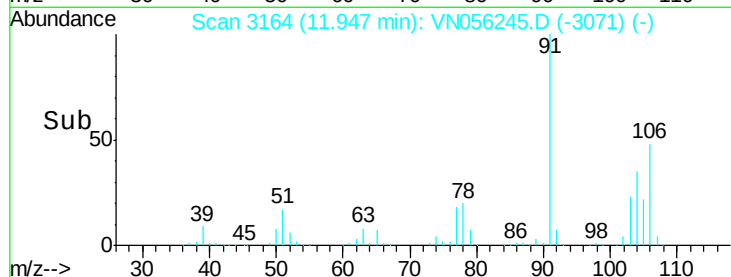
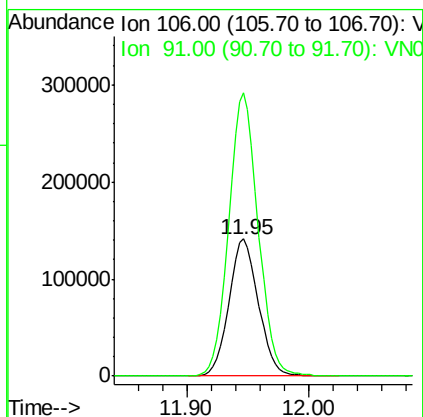
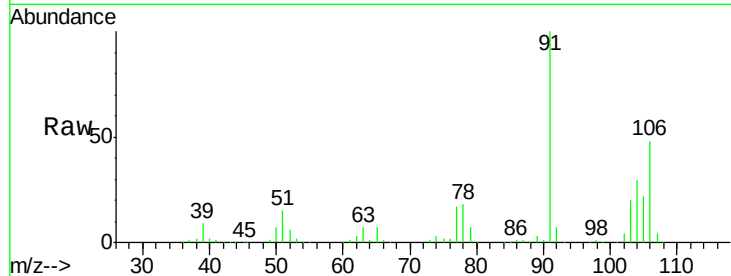
#69
o-Xylene
Concen: 51.795 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 237059
Ion Ratio Lower Upper
106 100
91 206.3 104.7 314.1

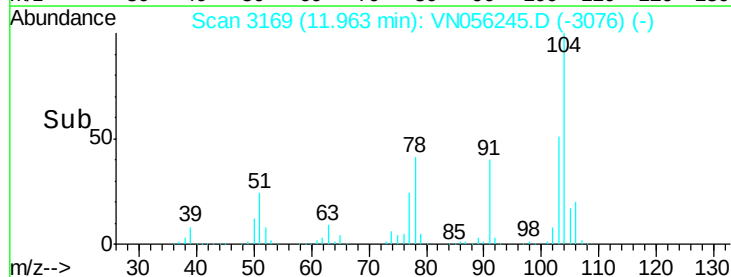
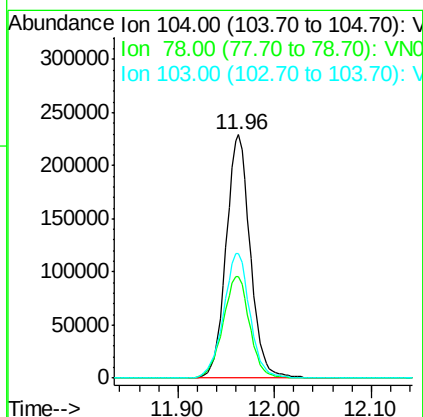
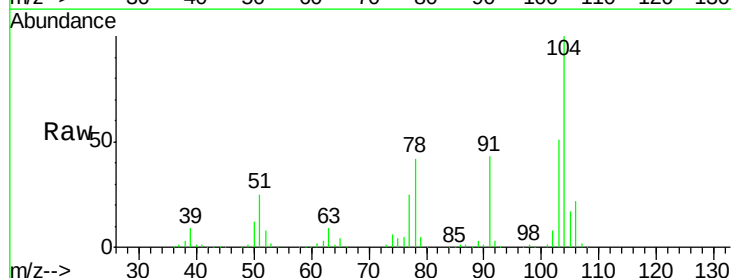
Manual Integrations
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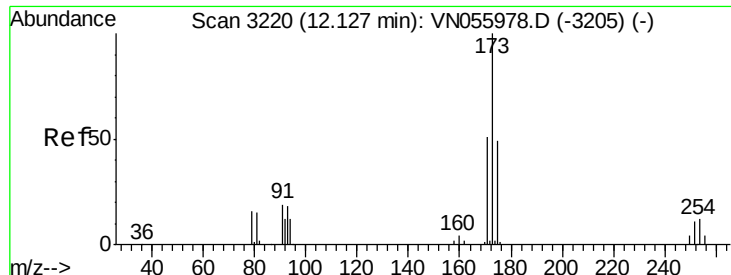
MMDadoda
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#70
Styrene
Concen: 54.446 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion:104 Resp: 395934
Ion Ratio Lower Upper
104 100
78 46.3 37.8 56.6
103 55.9 44.2 66.2





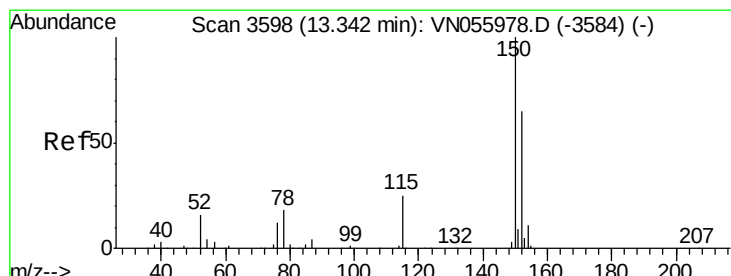
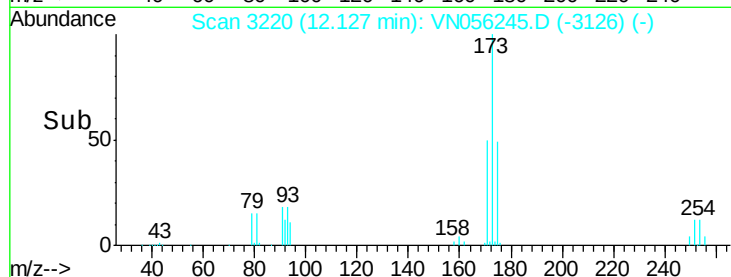
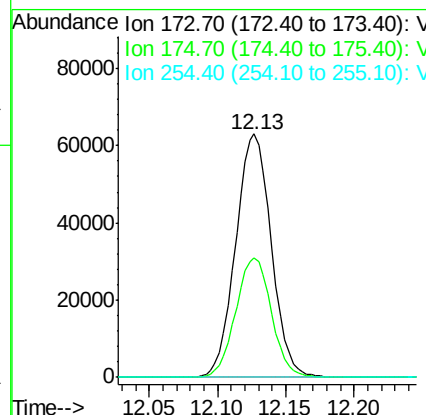
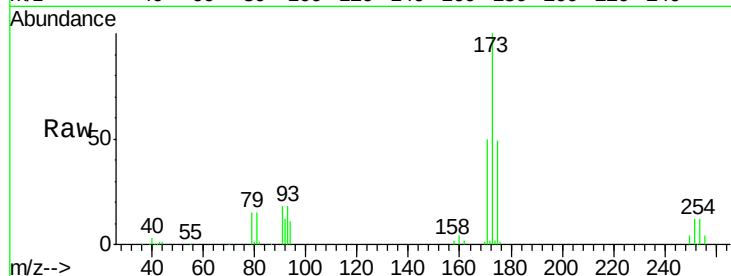
#71
Bromoform
Concen: 56.034 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0

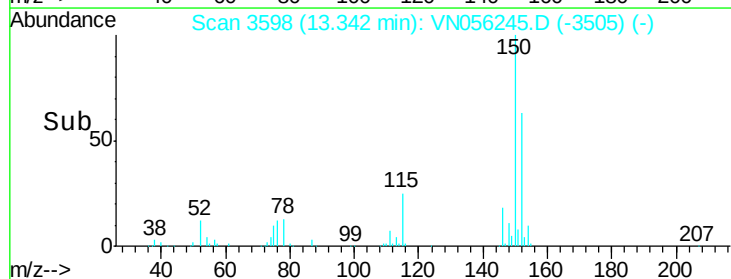
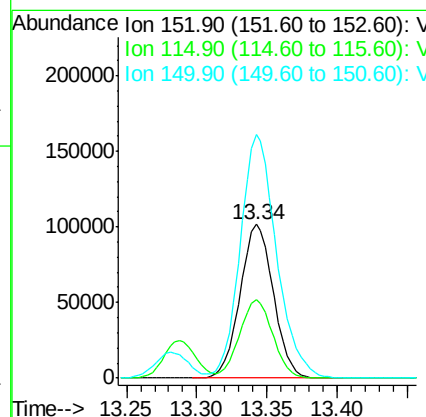
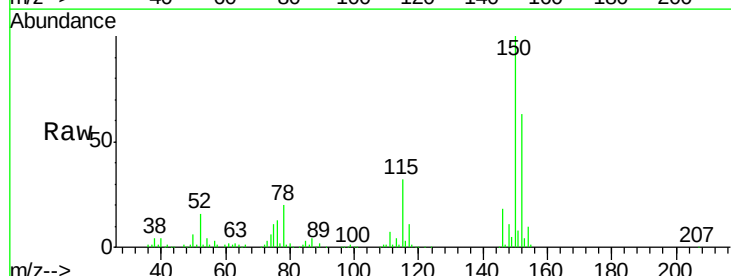
Manual Integrations
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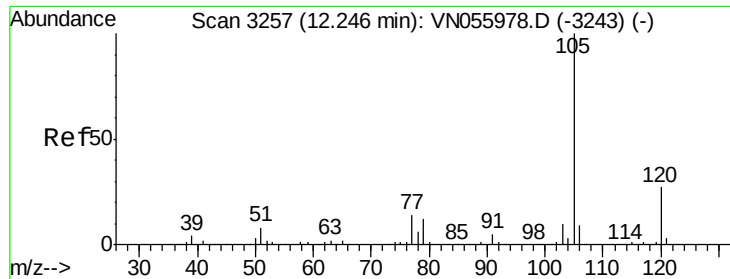
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.0	27.0	81.0
150	172.4	0.0	343.2





#73

Isopropylbenzene

Concen: 51.787 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 620368

Ion Ratio Lower Upper

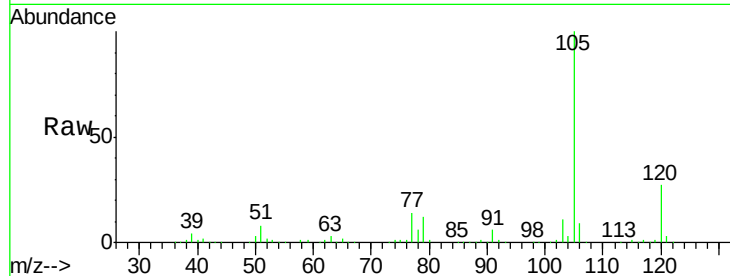
105 100

120 27.7 13.6 40.7

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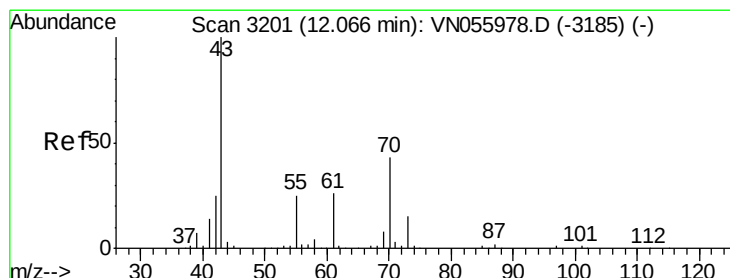
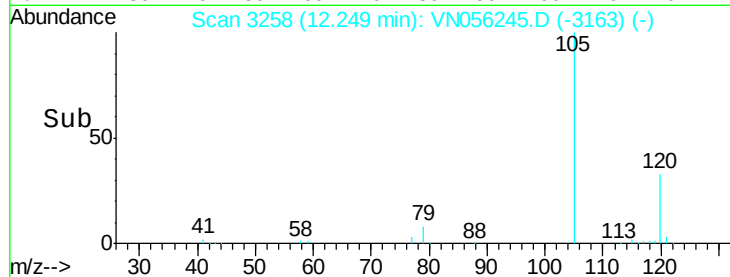
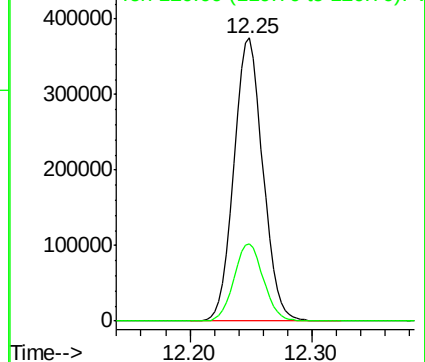
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.740 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Tgt Ion: 43 Resp: 209739

Ion Ratio Lower Upper

43 100

70 44.3 34.0 51.0

55 25.5 18.6 28.0

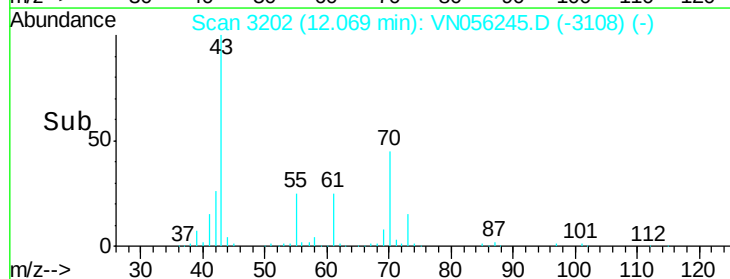
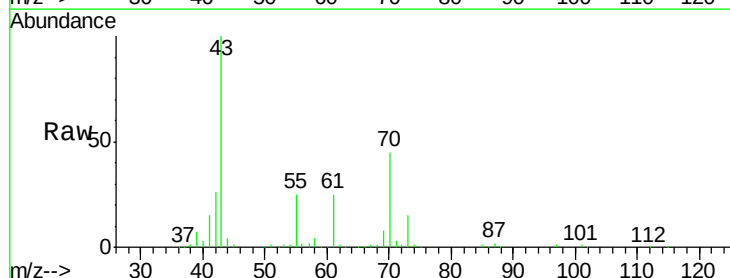
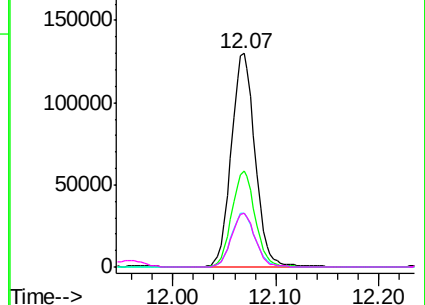
61 25.1 20.0 30.0

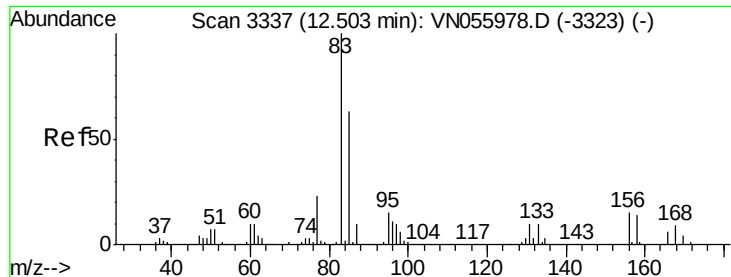
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.074 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

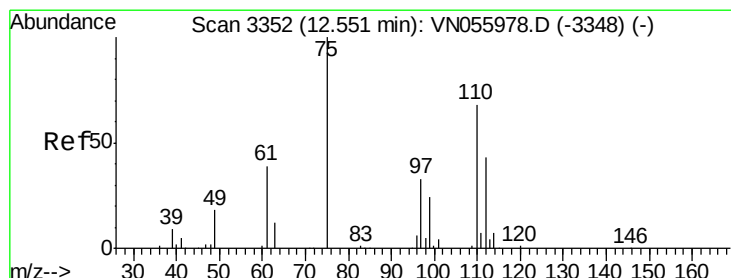
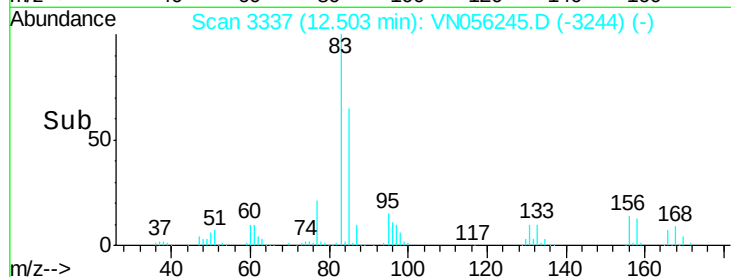
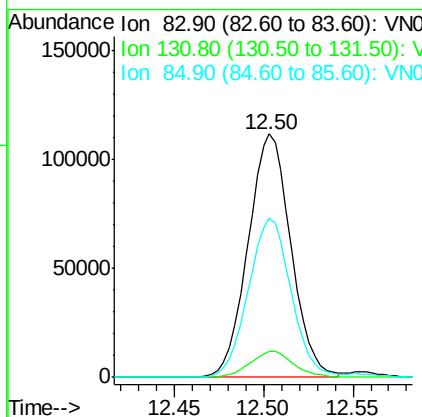
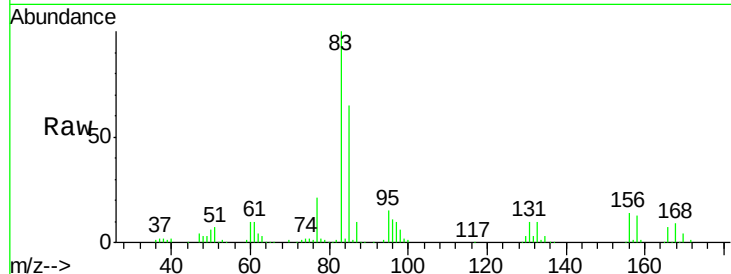
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	187867
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	65.2	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.238 ug/l m

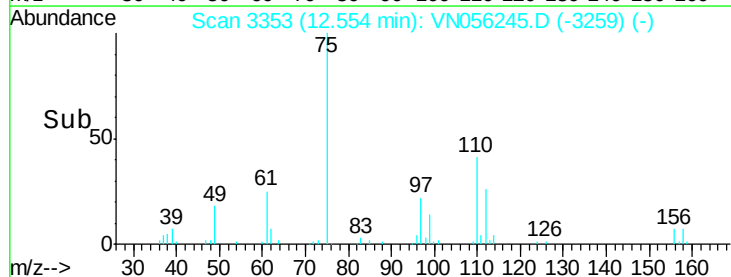
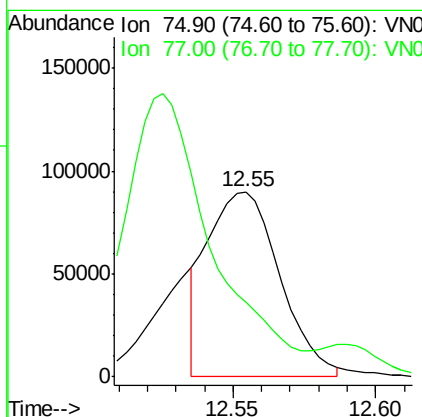
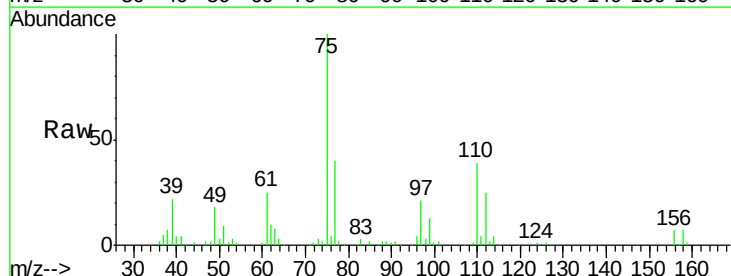
RT: 12.55 min Scan# 3353

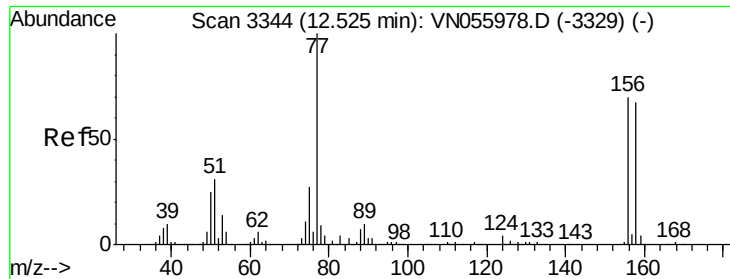
Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Tgt Ion:	75	Resp:	158710
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.057 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

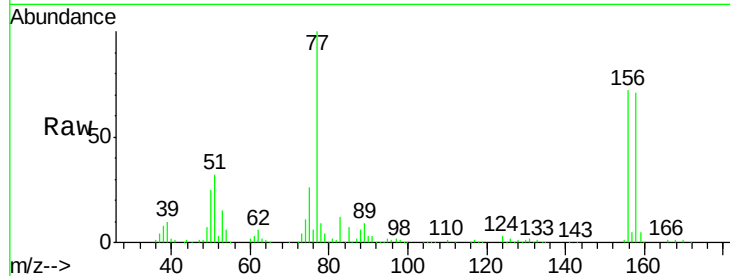
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	173205
Ion Ratio	Lower	Upper	
156	100		
77	171.2	90.8	272.5
158	97.6	49.3	147.8

Manual Integrations
APPROVED

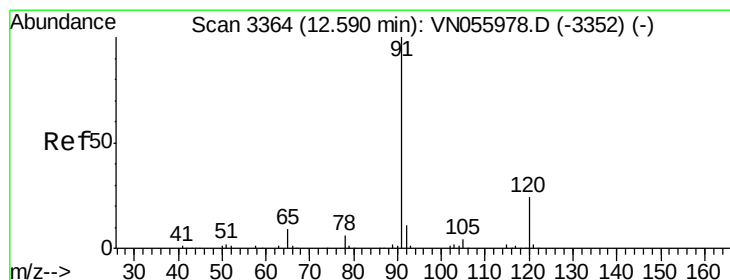
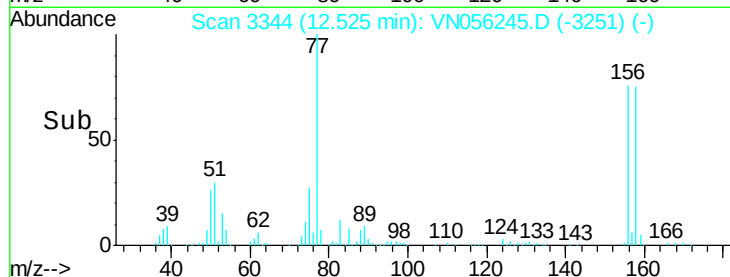
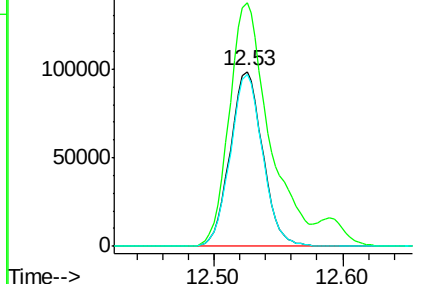
MMDadoda
6/13/2019 11:08:36 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.132 ug/l

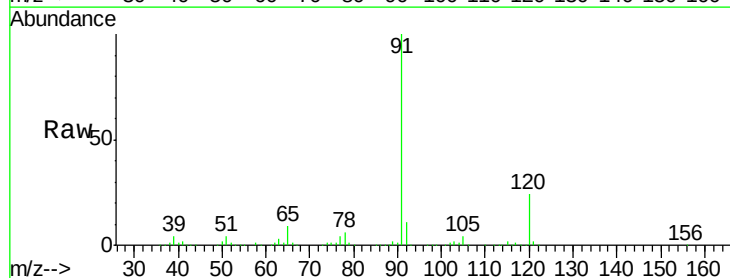
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056245.D

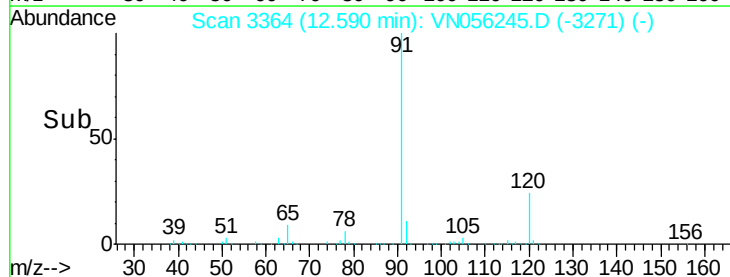
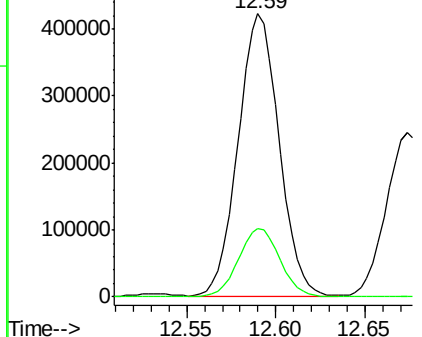
Acq: 12 Jun 2019 13:36

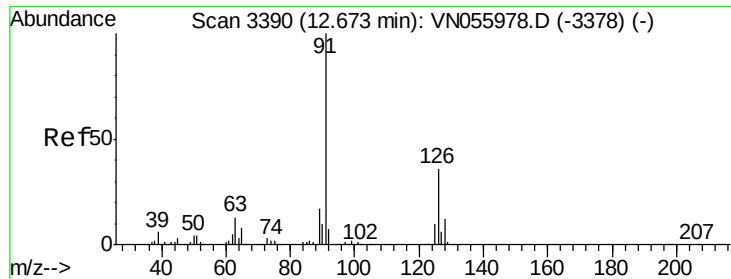
Tgt Ion:	91	Resp:	671224
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





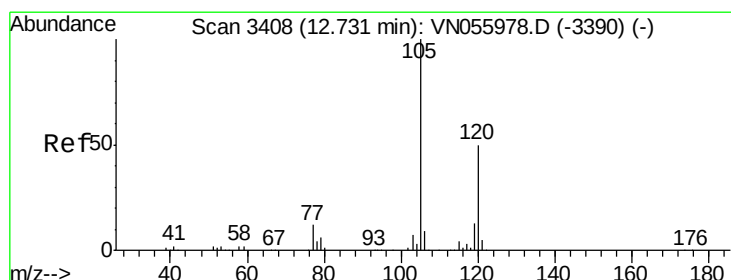
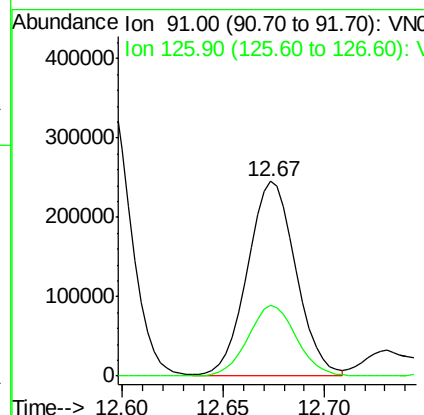
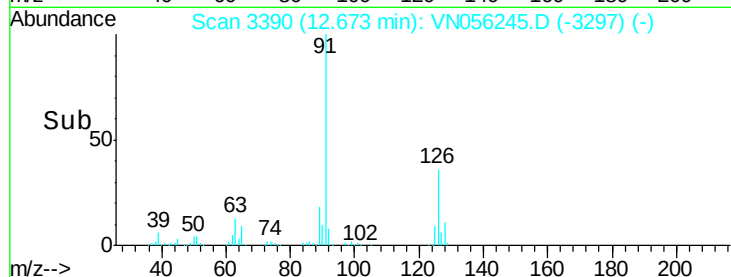
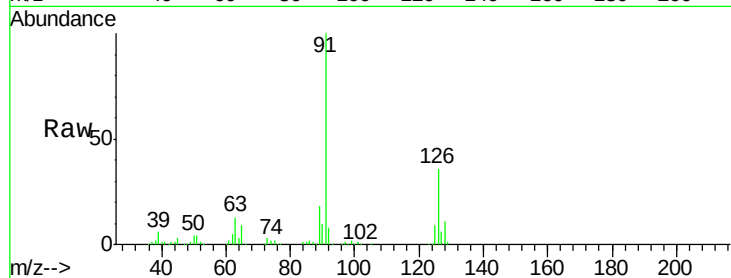
#79
2-Chlorotoluene
Concen: 51.960 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 409726
Ion Ratio Lower Upper
91 100
126 36.6 18.1 54.4

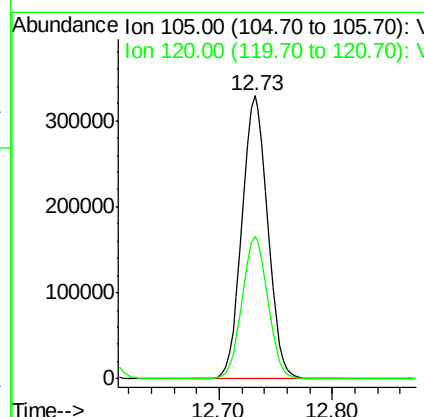
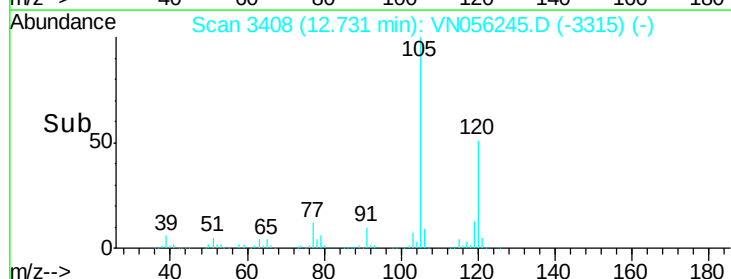
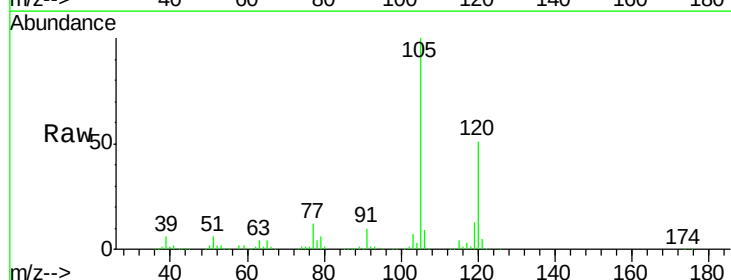
Manual Integrations
APPROVED

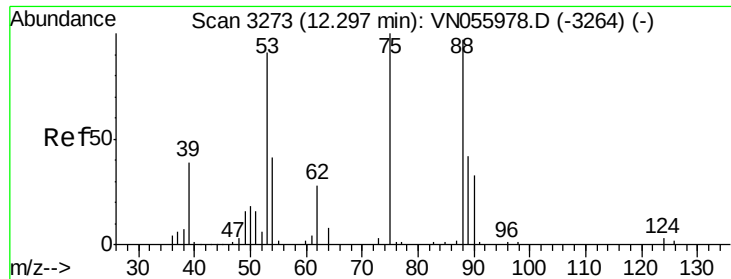
MMDadoda
6/13/2019 11:08:36 AM



#80
1,3,5-Trimethylbenzene
Concen: 46.168 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 105 Resp: 522549
Ion Ratio Lower Upper
105 100
120 50.4 24.7 74.1





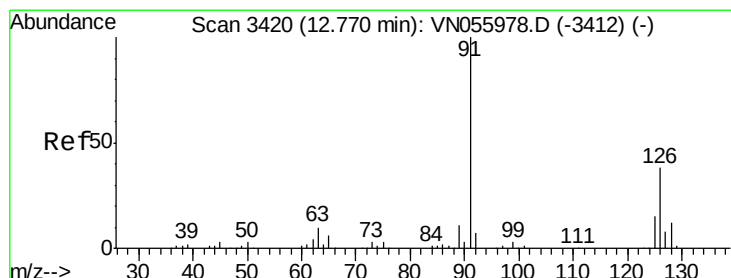
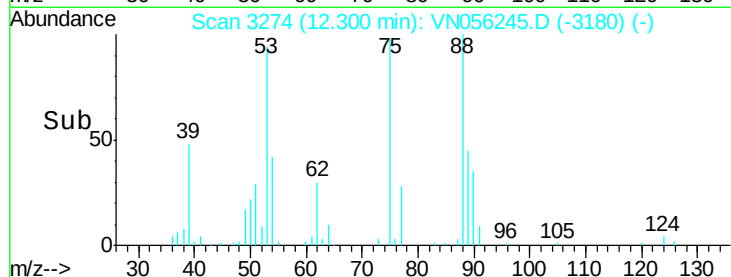
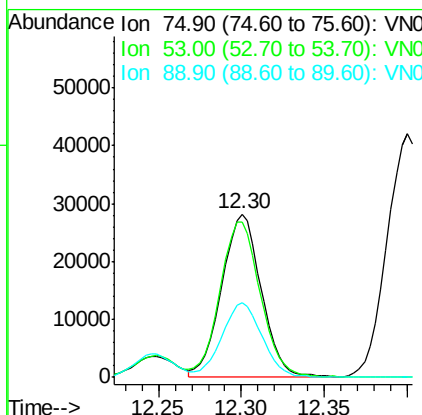
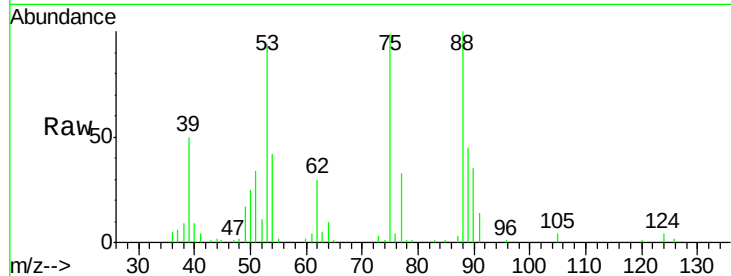
#81
trans-1,4-Dichloro-2-butene
Concen: 50.582 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 47048
Ion Ratio Lower Upper
75 100
53 95.7 68.1 102.1
89 46.0 36.9 55.3

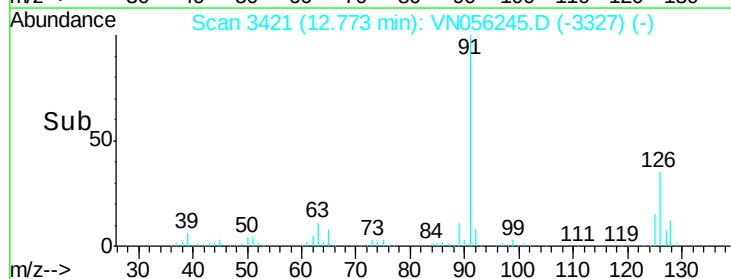
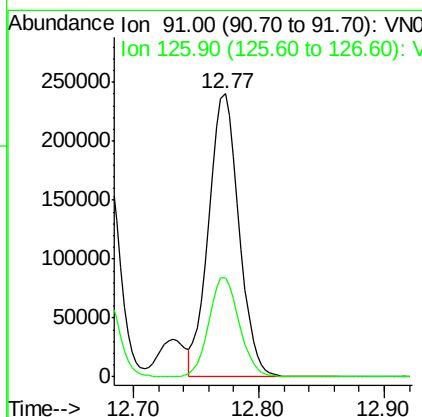
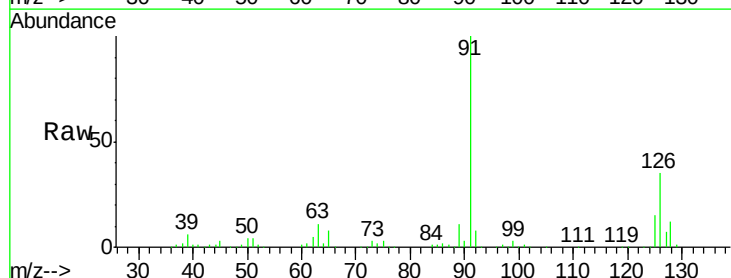
Manual Integrations
APPROVED

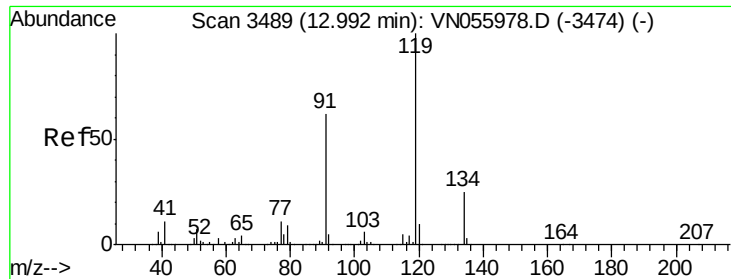
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.233 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion: 91 Resp: 401870
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.3





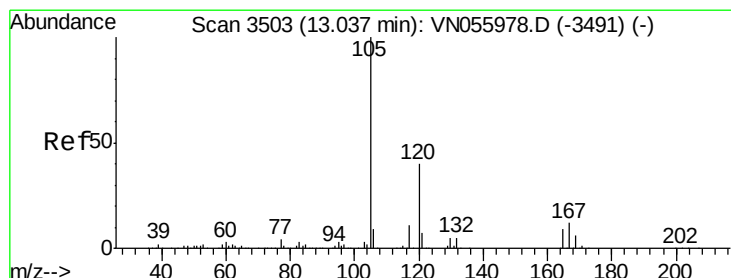
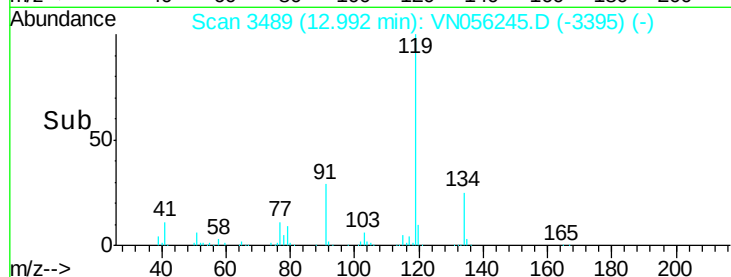
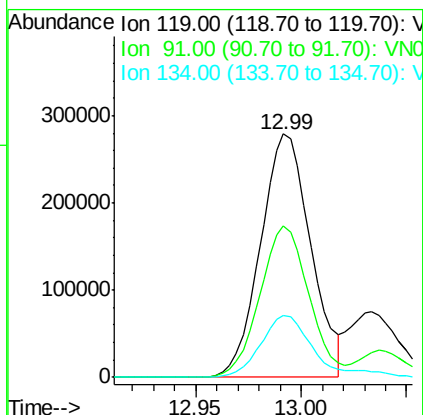
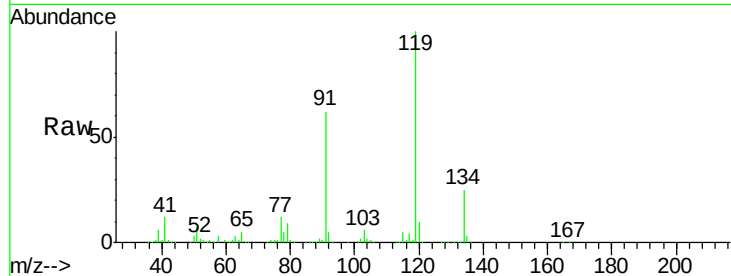
#83
 tert-Butylbenzene
 Concen: 52.738 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	461831		
91	60.8	30.9	92.8	
134	27.1	13.3	39.8	

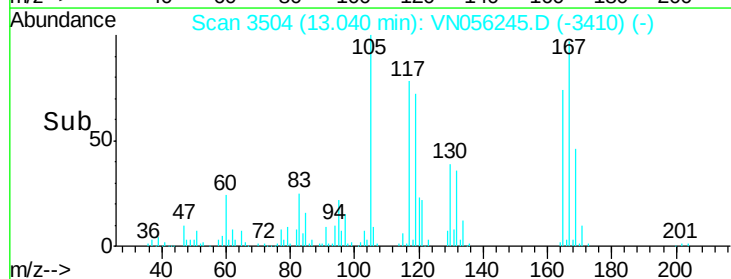
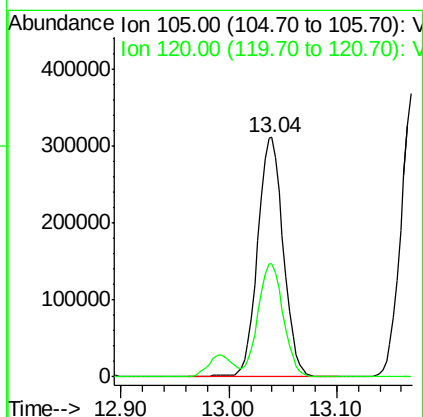
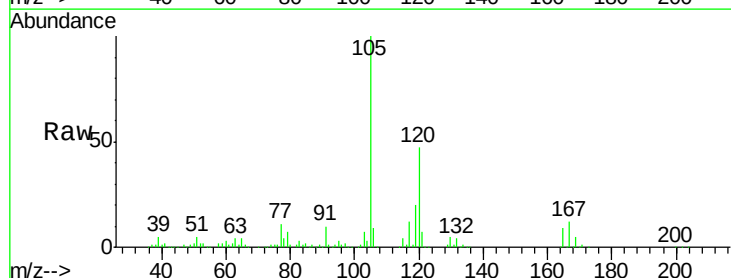
Manual Integrations
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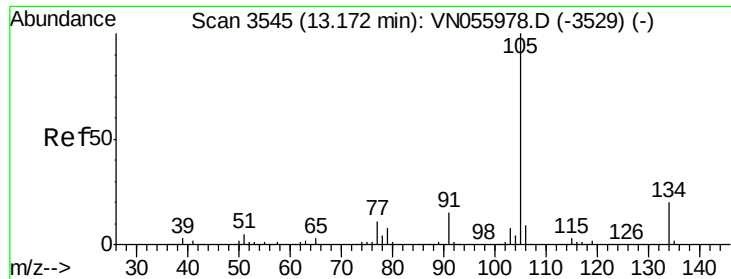
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.748 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	512497		
120	46.8	23.0	69.0	





#85

sec-Butylbenzene

Concen: 47.424 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 598114

Ion Ratio Lower Upper

105 100

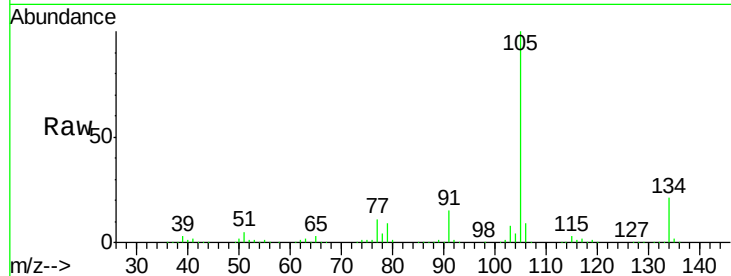
134 20.9 10.4 31.2

Manual Integrations

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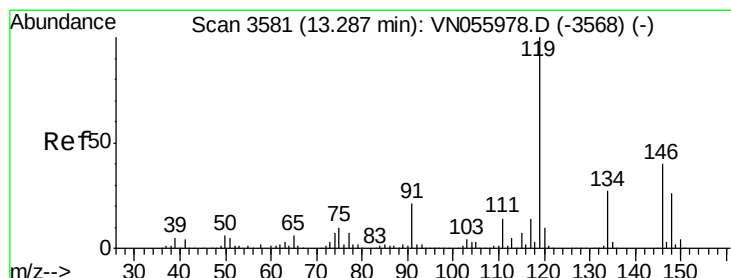
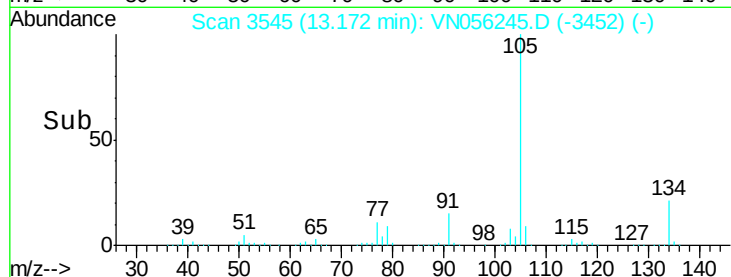
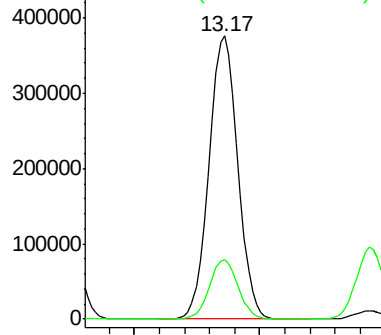
MMDadoda

6/13/2019 11:08:36 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.412 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

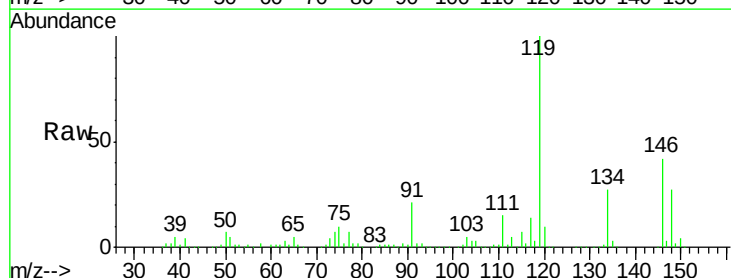
Tgt Ion:119 Resp: 546450

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

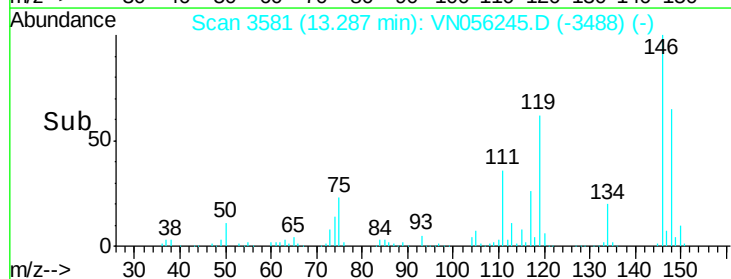
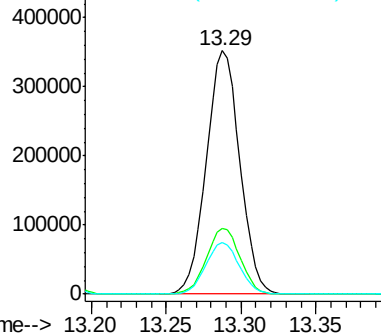
91 21.4 10.9 32.9

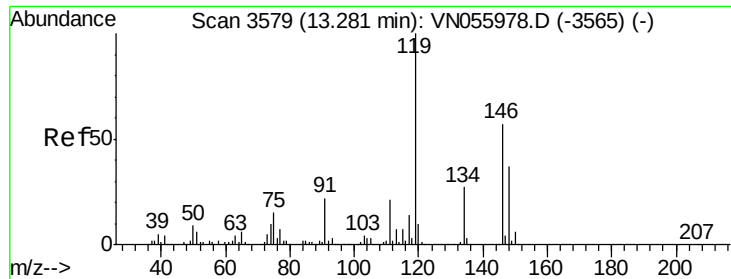


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





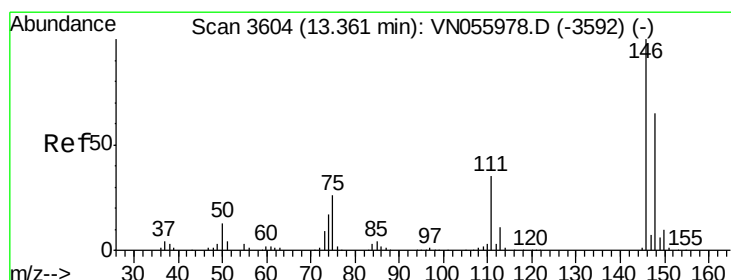
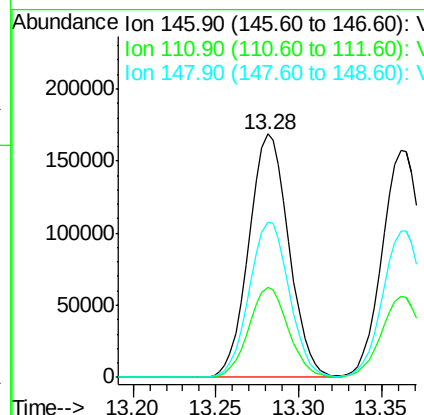
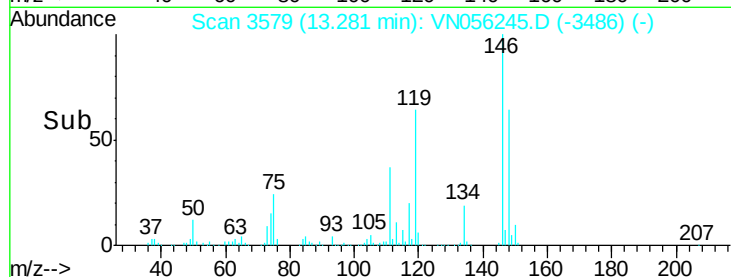
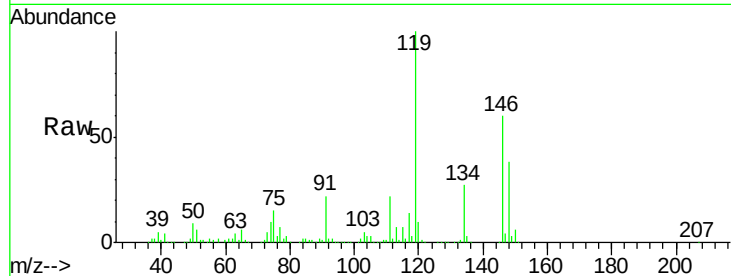
#87
 1,3-Dichlorobenzene
 Concen: 50.758 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.5	55.5
148	64.0	32.0	96.2

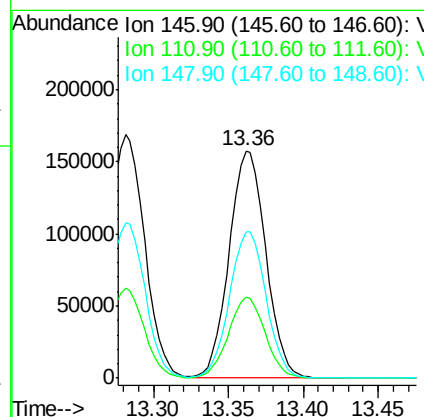
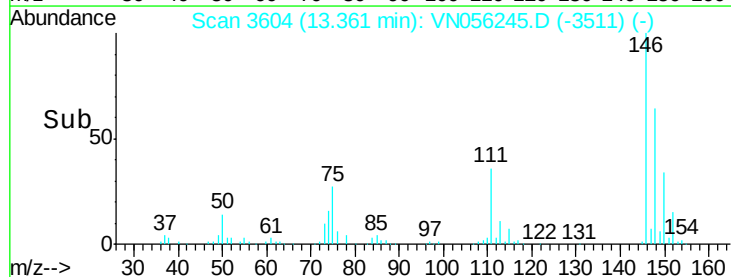
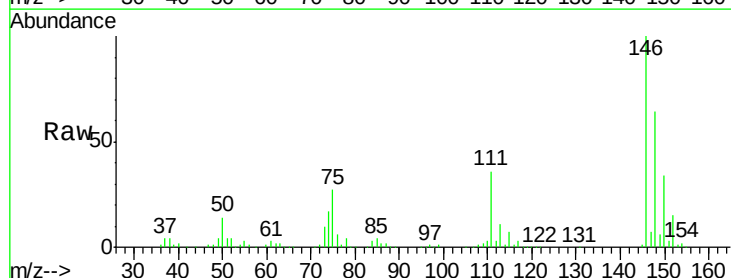
Manual Integrations
 APPROVED

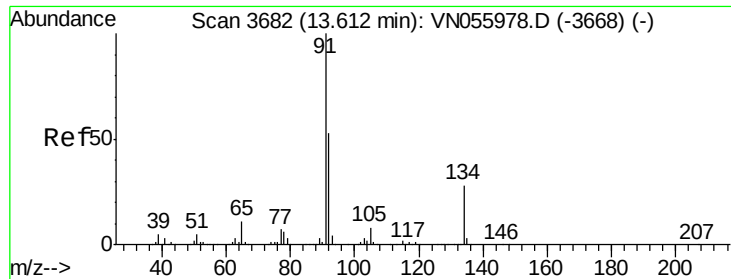
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 6/13/2019 11:08:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.272 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.4
148	64.2	32.1	96.5





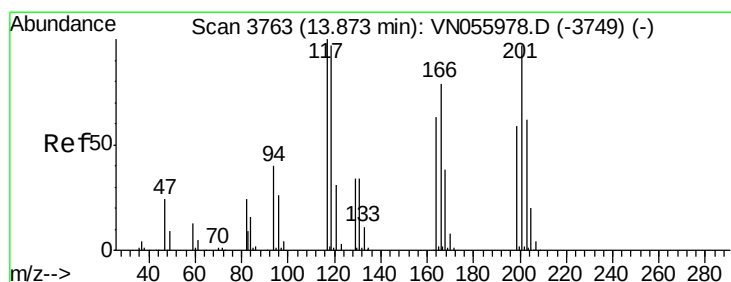
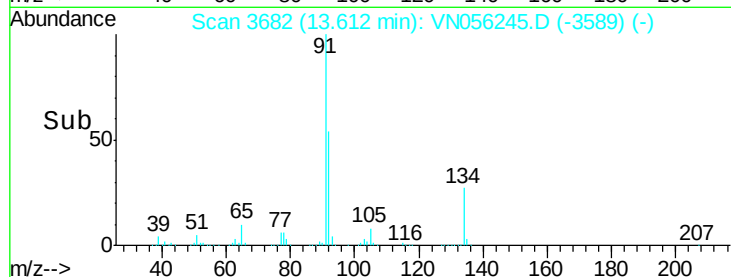
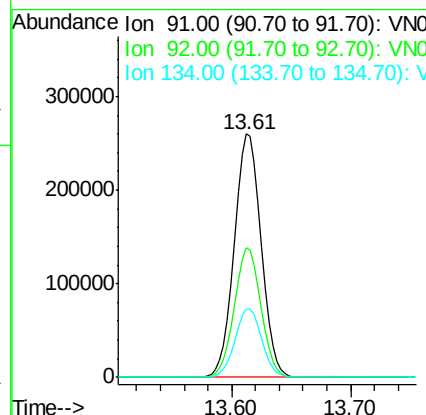
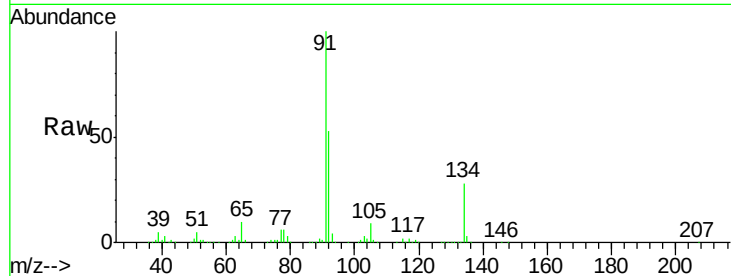
#89
n-Butylbenzene
Concen: 48.539 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	28.1	13.9	41.7

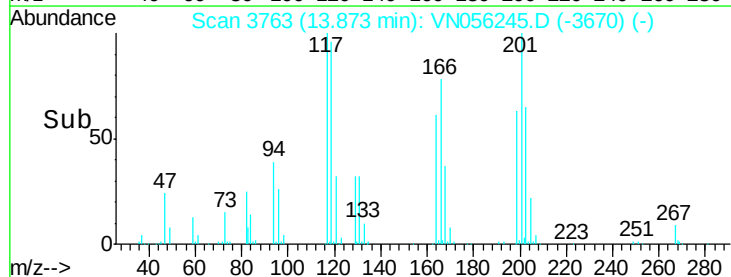
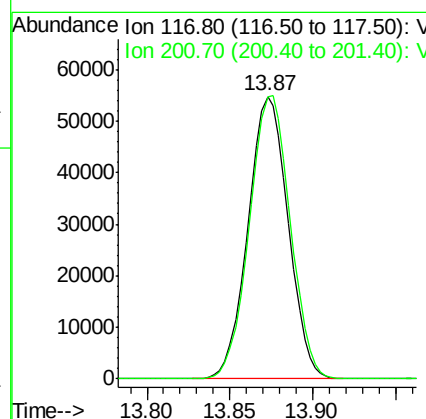
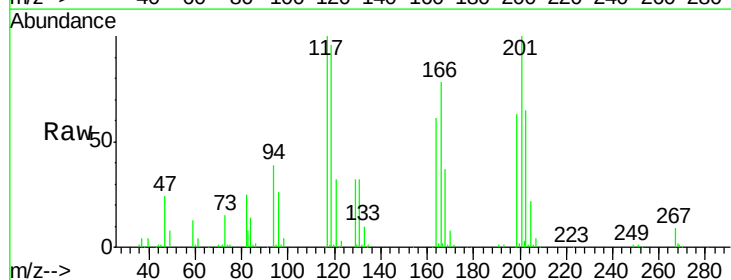
Manual Integrations
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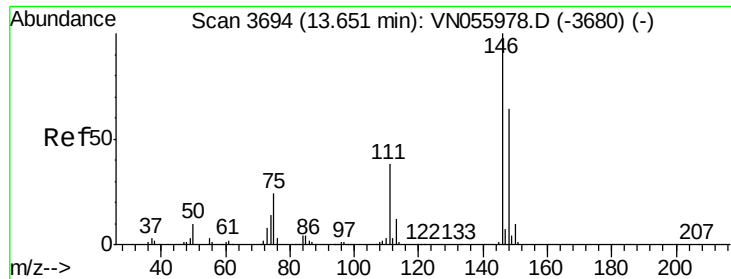
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#90
Hexachloroethane
Concen: 54.009 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056245.D
Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.2	50.0	150.0





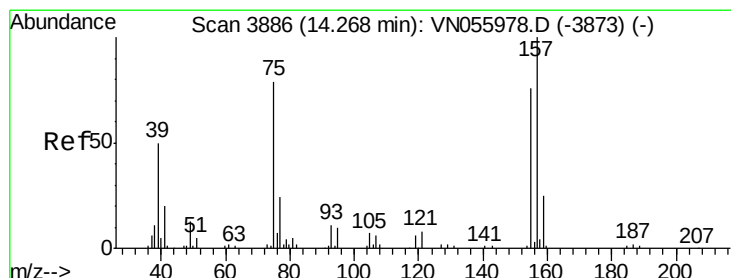
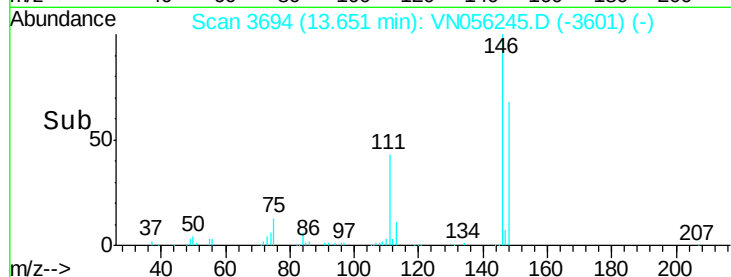
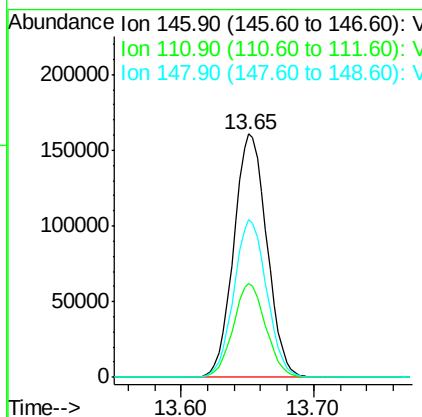
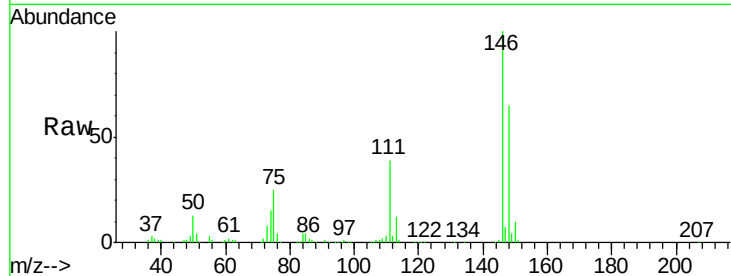
#91
 1,2-Dichlorobenzene
 Concen: 49.349 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	64.3	31.9	95.9

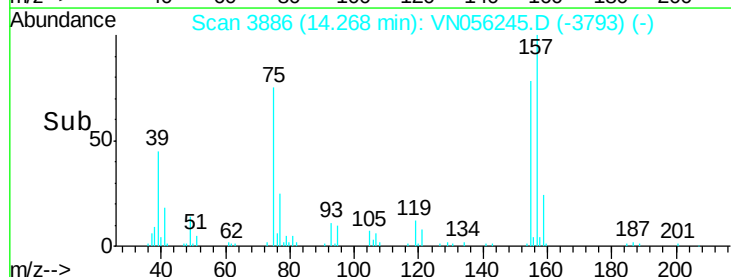
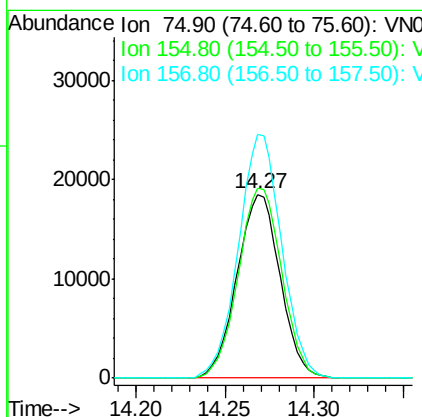
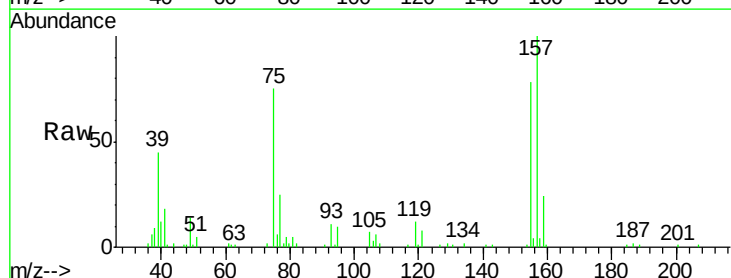
Manual Integrations
 APPROVED

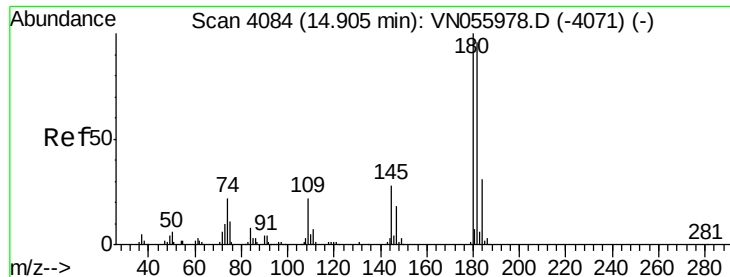
MMDadoda
 6/13/2019 11:08:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.878 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.5	50.0	150.1
157	133.2	64.8	194.3





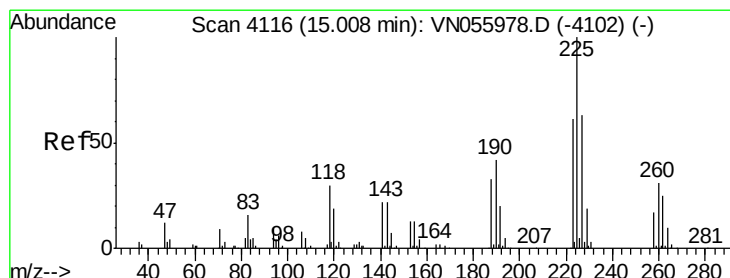
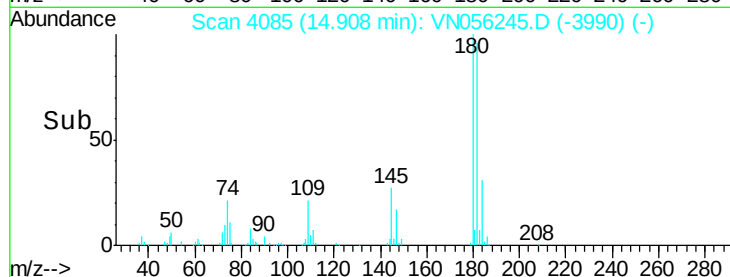
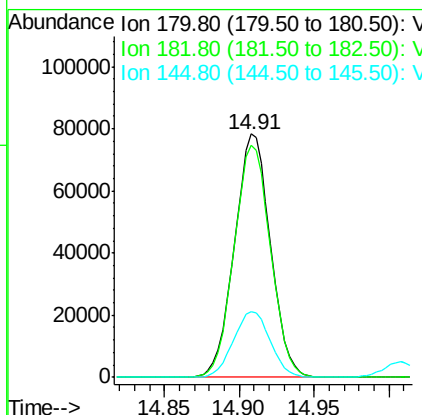
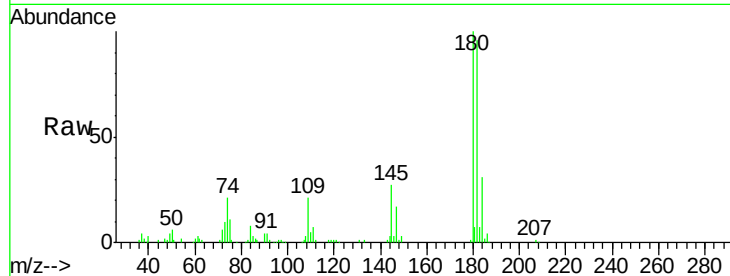
#93
 1,2,4-Trichlorobenzene
 Concen: 42.834 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.3	144.9
145	27.7	14.0	41.9

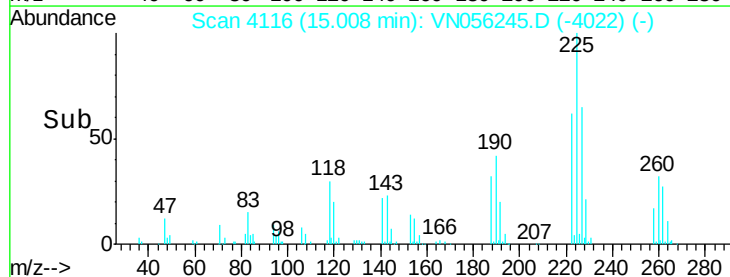
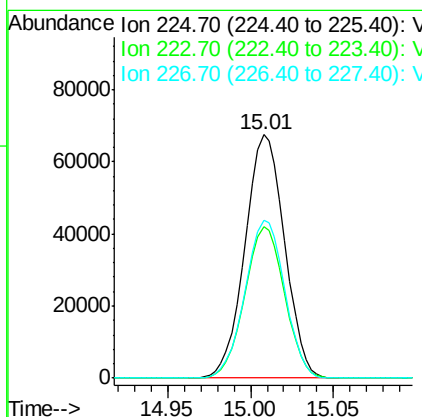
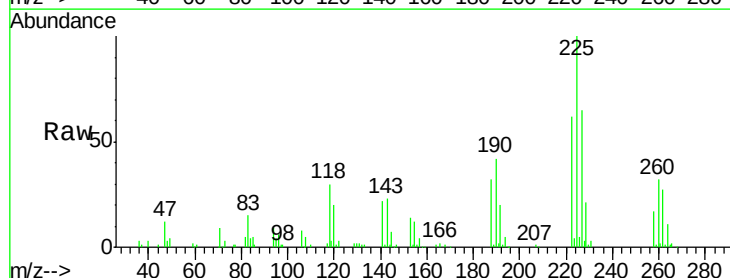
Manual Integrations
 APPROVED

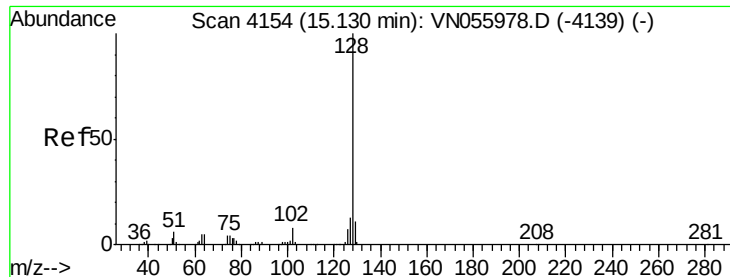
MMDadoda
 6/13/2019 11:08:36 AM



#94
 Hexachlorobutadiene
 Concen: 58.330 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056245.D
 Acq: 12 Jun 2019 13:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.7
227	65.1	31.6	94.7





#95

Naphthalene

Concen: 40.236 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Instrument :

MSVOA_N

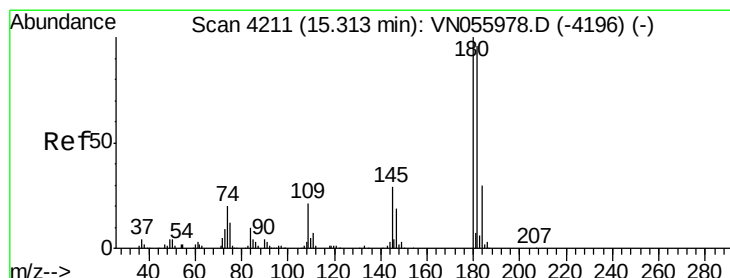
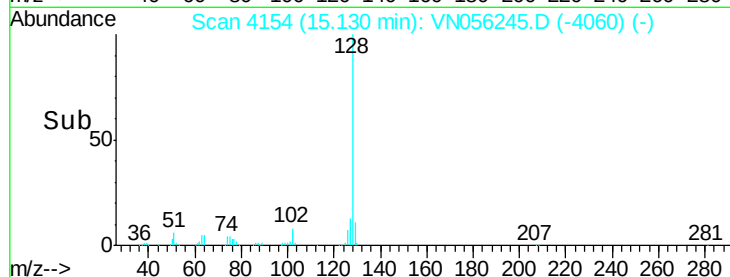
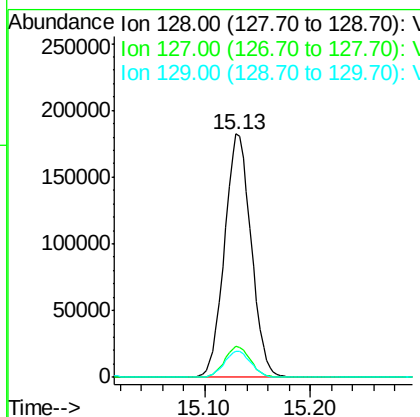
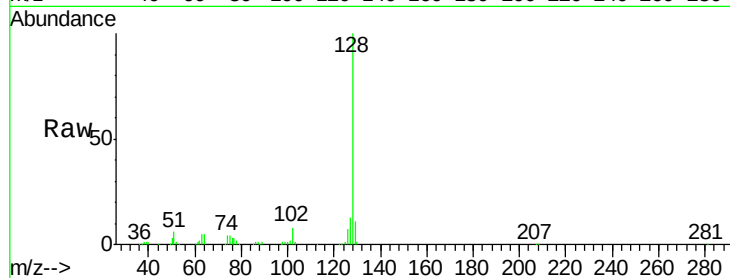
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	317413
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:08:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.355 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056245.D

Acq: 12 Jun 2019 13:36

Tgt Ion:	180	Resp:	142499
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.9	143.7
145	29.7	14.9	44.7

