

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091519\
 Data File : VN058076.D
 Acq On : 15 Sep 2019 8:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 1:56:04 PM

Quant Time: Sep 16 03:47:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	372660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	591655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	349155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	386998	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.57	113	280580	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
50) Toluene-d8	10.09	98	1113797	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.40	95	418907	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	261295	50.700	ug/l	100
3) Chloromethane	2.04	50	215196	40.968	ug/l	99
4) Vinyl Chloride	2.17	62	224003	40.293	ug/l	99
5) Bromomethane	2.54	94	137774	44.944	ug/l	100
6) Chloroethane	2.68	64	140437	39.643	ug/l	98
7) Trichlorofluoromethane	3.00	101	311474	44.521	ug/l	99
8) Diethyl Ether	3.39	74	141517	48.498	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	221931	50.286	ug/l	98
10) Methyl Iodide	3.93	142	225286	45.872	ug/l	99
11) Tert butyl alcohol	4.76	59	205183	224.602	ug/l	99
12) 1,1-Dichloroethene	3.72	96	184763	46.561	ug/l	95
13) Acrolein	3.59	56	99438	128.300	ug/l	99
14) Allyl chloride	4.30	41	373593	48.108	ug/l	99
15) Acrylonitrile	4.96	53	641529	255.492	ug/l	99
16) Acetone	3.79	43	663320	268.078	ug/l	98
17) Carbon Disulfide	4.03	76	266372	43.152	ug/l	98
18) Methyl Acetate	4.30	43	351059	53.212	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	854504	51.744	ug/l	100
20) Methylene Chloride	4.53	84	248317	52.785	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	202068	47.106	ug/l	96
22) Diisopropyl ether	5.93	45	950551	52.196	ug/l	99
23) Vinyl Acetate	5.87	43	3477941	269.474	ug/l	99
24) 1,1-Dichloroethane	5.82	63	500699	50.306	ug/l	99
25) 2-Butanone	6.81	43	911889	254.628	ug/l	100
26) 2,2-Dichloropropane	6.81	77	418293	53.106	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	285412	49.649	ug/l	97
28) Bromochloromethane	7.18	49	260159	52.321	ug/l	98
29) Tetrahydrofuran	7.19	42	546755	247.761	ug/l	100
30) Chloroform	7.36	83	530784	51.004	ug/l	99
31) Cyclohexane	7.64	56	349500	51.601	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	424151	51.390	ug/l	99
36) 1,1-Dichloropropene	7.78	75	333388	48.587	ug/l	99
37) Ethyl Acetate	6.91	43	354423	49.994	ug/l	99
38) Carbon Tetrachloride	7.76	117	338005	53.954	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	350315	48.566	ug/l	97
40) Benzene	8.03	78	1042487	50.464	ug/l	98
41) Methacrylonitrile	7.15	41	164250	51.040	ug/l	100
42) 1,2-Dichloroethane	8.11	62	436933	52.886	ug/l	100
43) Isopropyl Acetate	8.15	43	650106	54.530	ug/l	99
44) Trichloroethene	8.82	130	257466	50.814	ug/l	99
45) 1,2-Dichloropropane	9.11	63	314782	52.366	ug/l	99
46) Dibromomethane	9.20	93	192683	53.045	ug/l	99
47) Bromodichloromethane	9.40	83	405905	55.959	ug/l	98
48) Methyl methacrylate	9.19	41	314879	52.067	ug/l	98
49) 1,4-Dioxane	9.19	88	89879	878.838	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1927466	273.204	ug/l	100
52) Toluene	10.15	92	666323	51.212	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	438296	57.380	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	467498	55.434	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	295010	53.527	ug/l	98
56) Ethyl methacrylate	10.43	69	446442	53.791	ug/l	99
57) 1,3-Dichloropropane	10.71	76	503701	53.031	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1046758	267.779	ug/l	100
59) 2-Hexanone	10.75	43	1423380	269.170	ug/l	100
60) Dibromochloromethane	10.90	129	299069	58.436	ug/l	98
61) 1,2-Dibromoethane	11.00	107	277991	53.352	ug/l	99
64) Tetrachloroethene	10.63	164	209840	49.692	ug/l	99
65) Chlorobenzene	11.43	112	764111	51.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	284908	54.856	ug/l	100
67) Ethyl Benzene	11.51	91	1380753	52.637	ug/l	100
68) m/p-Xylenes	11.62	106	1011911	105.313	ug/l	100
69) o-Xylene	11.95	106	503151	52.673	ug/l	97
70) Styrene	11.97	104	902822	54.918	ug/l	100
71) Bromoform	12.13	173	188873	58.328	ug/l #	98
73) Isopropylbenzene	12.25	105	1408274	51.979	ug/l	100
74) N-amyl acetate	12.07	43	593649	50.347	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	453896	49.757	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	405772m	51.373	ug/l	
77) Bromobenzene	12.53	156	331794	49.119	ug/l	98
78) n-propylbenzene	12.60	91	1672447	53.757	ug/l	100
79) 2-Chlorotoluene	12.68	91	991944	50.446	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1222184	53.389	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	116491	51.900	ug/l	96
82) 4-Chlorotoluene	12.78	91	1050693	52.033	ug/l	99
83) tert-Butylbenzene	13.00	119	1059252	52.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1243171	53.432	ug/l	98
85) sec-Butylbenzene	13.18	105	1456570	54.005	ug/l	100
86) p-Isopropyltoluene	13.29	119	1305172	54.921	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	643503	51.901	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	647965	51.485	ug/l	99
89) n-Butylbenzene	13.62	91	1232511	54.920	ug/l	99
90) Hexachloroethane	13.88	117	195706	55.374	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	642644	51.881	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81097	53.832	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	414367	51.180	ug/l	99
94) Hexachlorobutadiene	15.02	225	191320	55.745	ug/l	99
95) Naphthalene	15.13	128	1114897	54.693	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	379744	53.652	ug/l	100

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

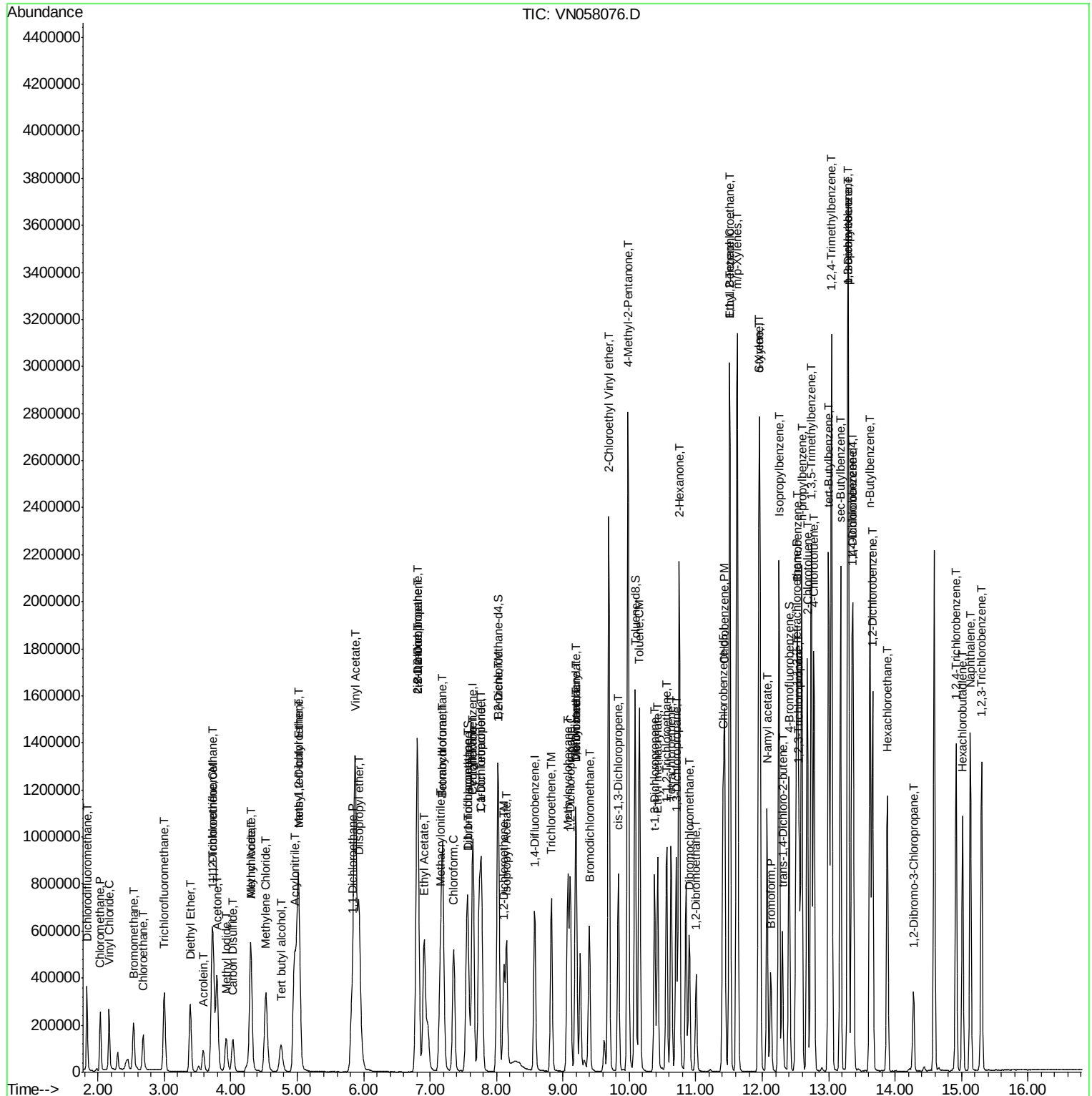
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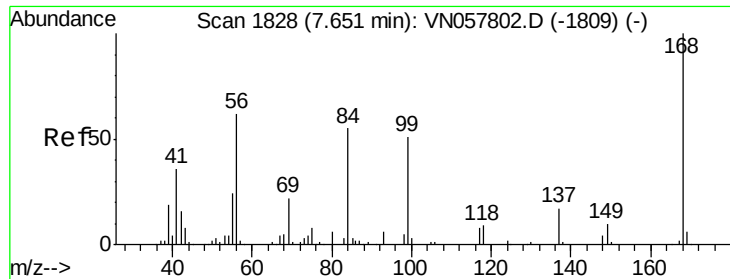
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 372660

Ion Ratio Lower Upper

168 100

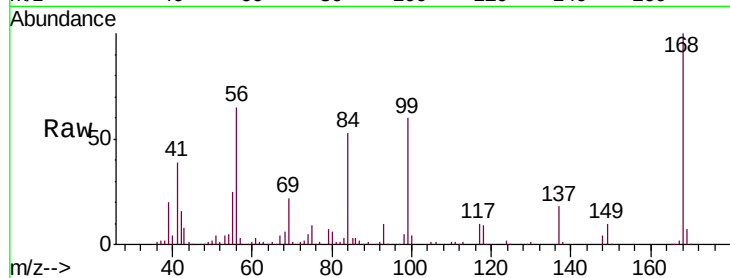
99 59.4 48.0 72.0

Manual Integrations

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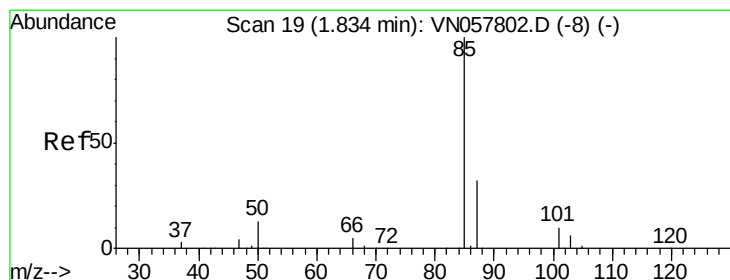
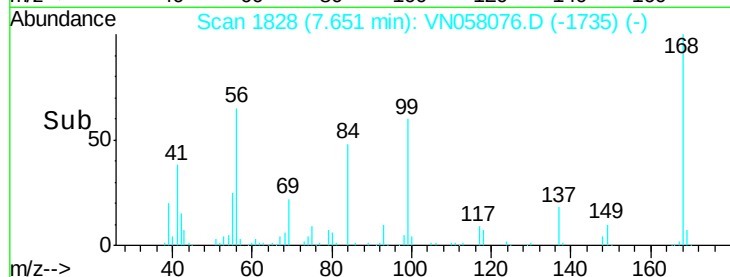
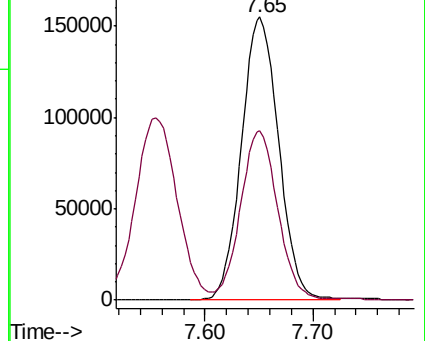
MMDadoda

9/18/2019 1:56:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.700 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058076.D

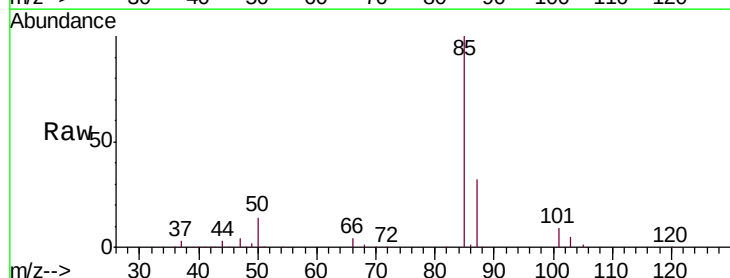
Acq: 15 Sep 2019 8:07

Tgt Ion: 85 Resp: 261295

Ion Ratio Lower Upper

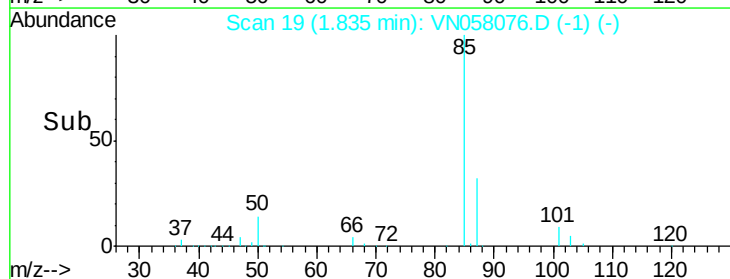
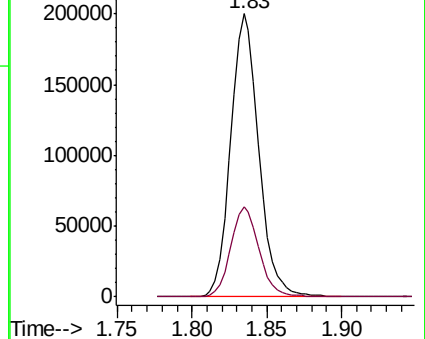
85 100

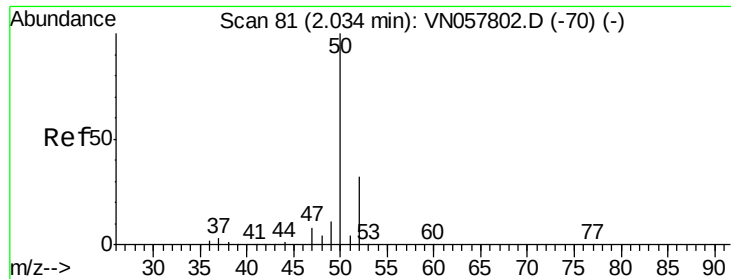
87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 40.968 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 215196

Ion Ratio Lower Upper

50 100

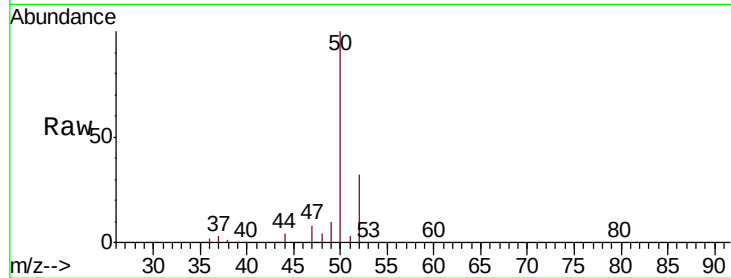
52 31.5 25.5 38.3

Manual Integrations

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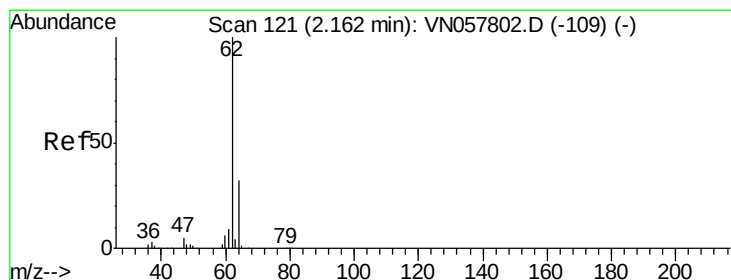
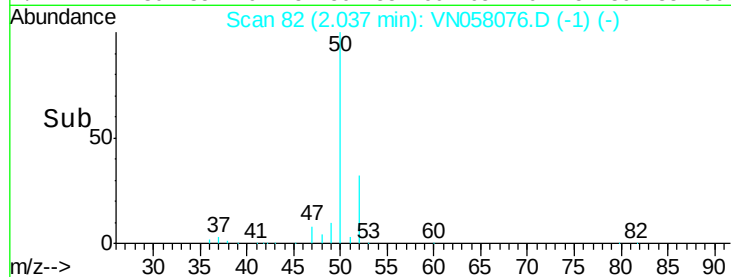
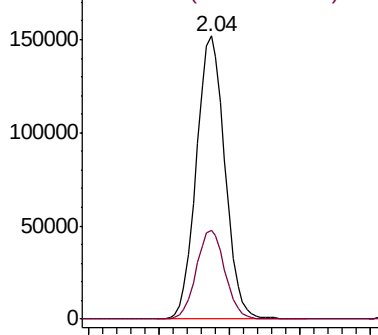
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 40.293 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058076.D

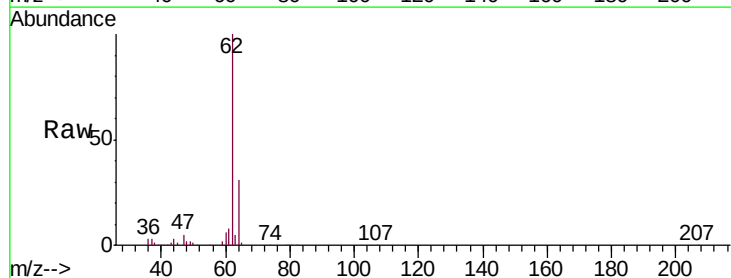
Acq: 15 Sep 2019 8:07

Tgt Ion: 62 Resp: 224003

Ion Ratio Lower Upper

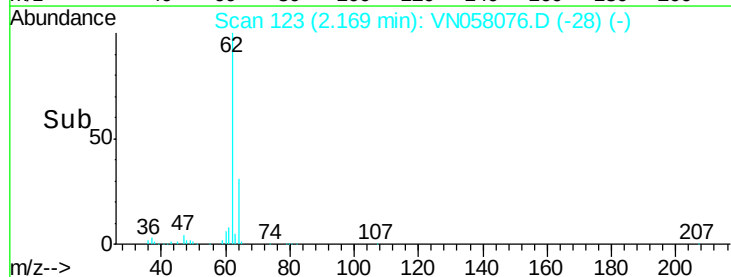
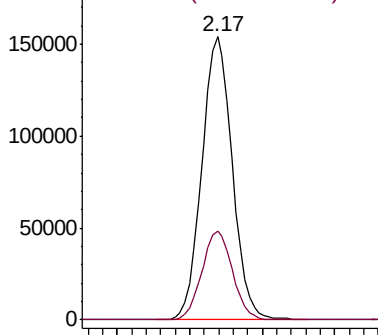
62 100

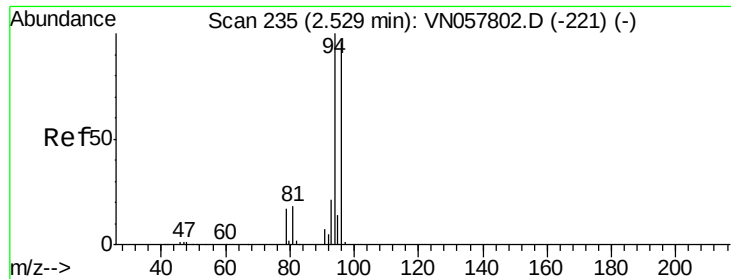
64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 44.944 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 137774

Ion Ratio Lower Upper

94 100

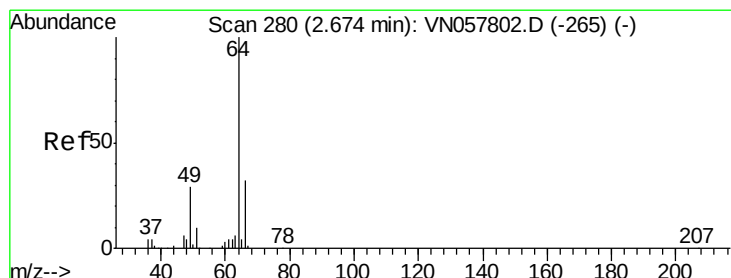
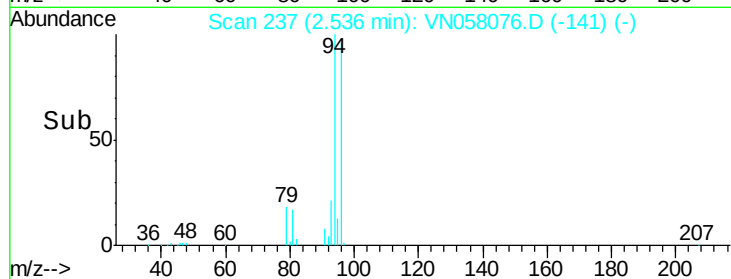
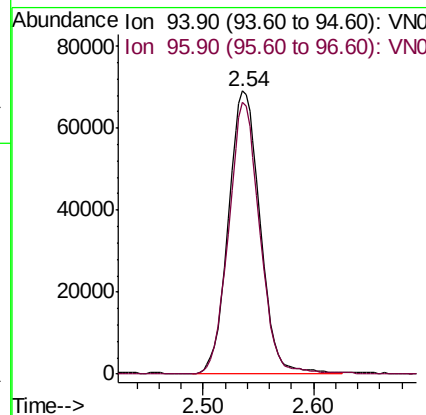
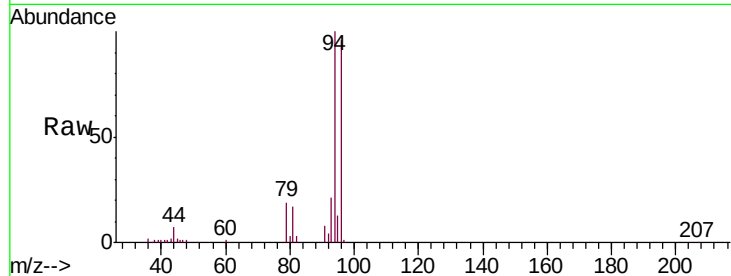
96 96.2 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 39.643 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058076.D

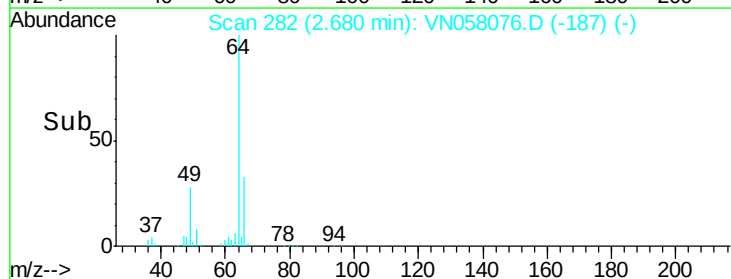
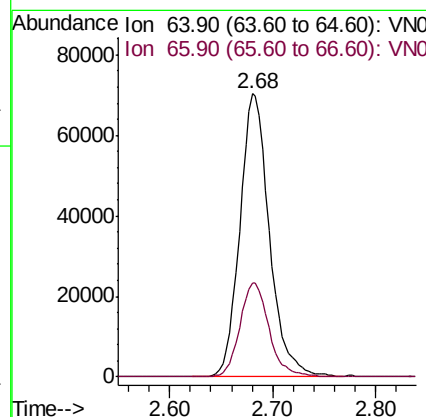
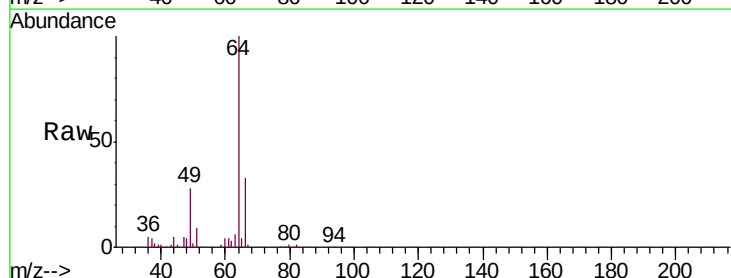
Acq: 15 Sep 2019 8:07

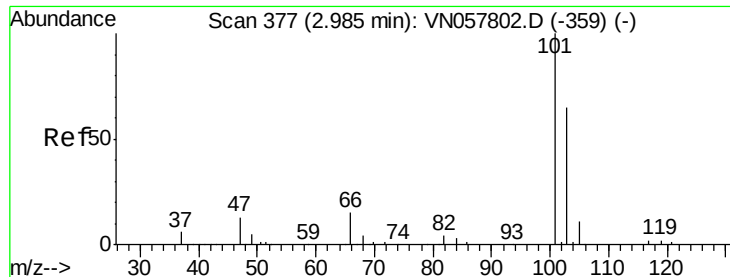
Tgt Ion: 64 Resp: 140437

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3





#7

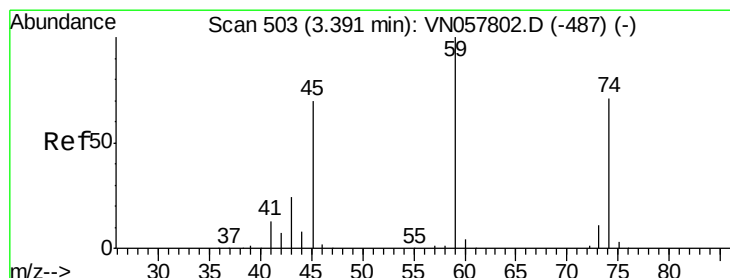
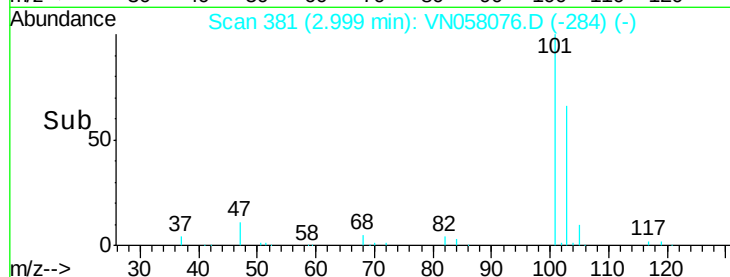
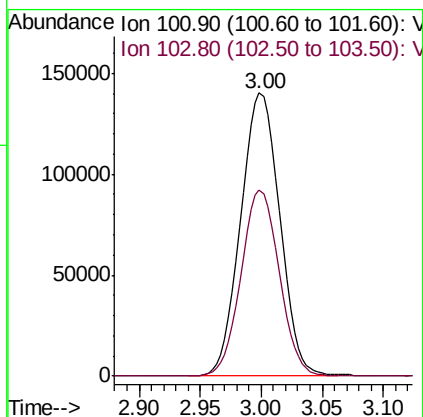
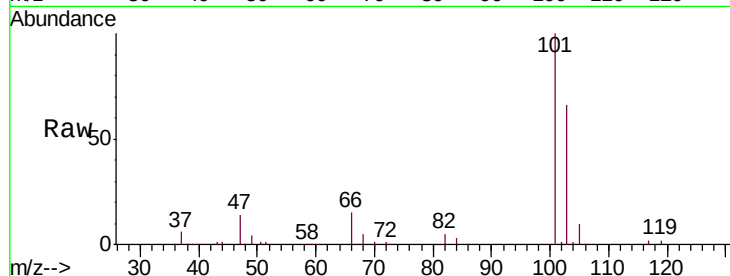
Trichlorofluoromethane
Concen: 44.521 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 311474
Ion Ratio Lower Upper
101 100
103 65.8 51.9 77.9

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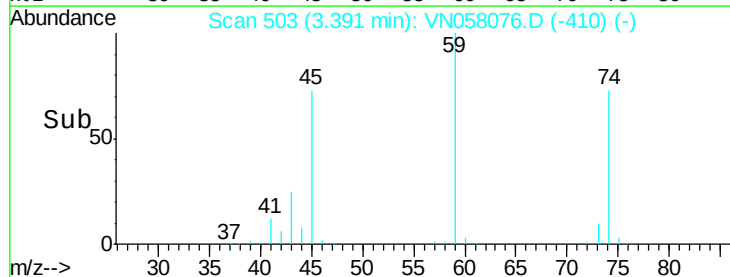
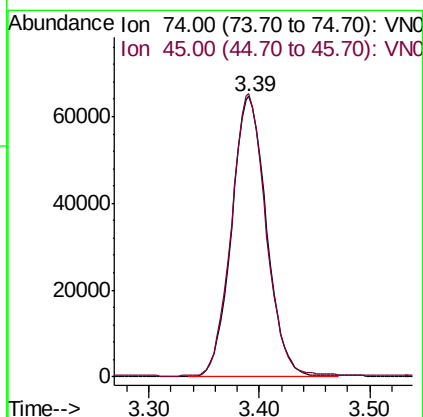
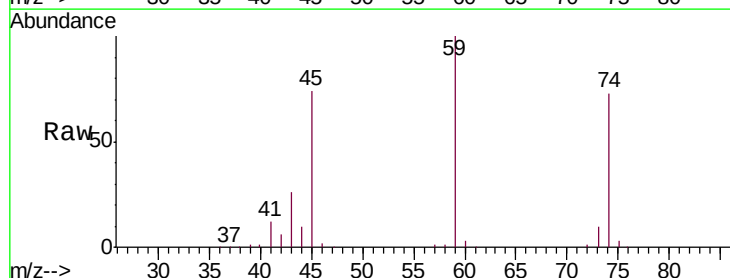
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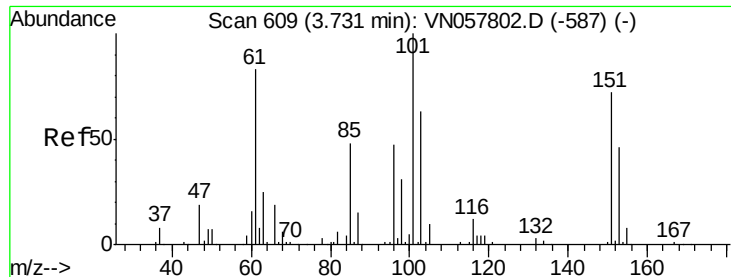


#8

Diethyl Ether
Concen: 48.498 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 74 Resp: 141517
Ion Ratio Lower Upper
74 100
45 99.6 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.286 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

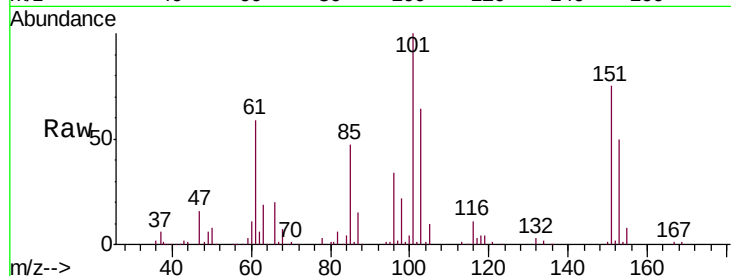
ClientSampleId :

VSTDCCC050

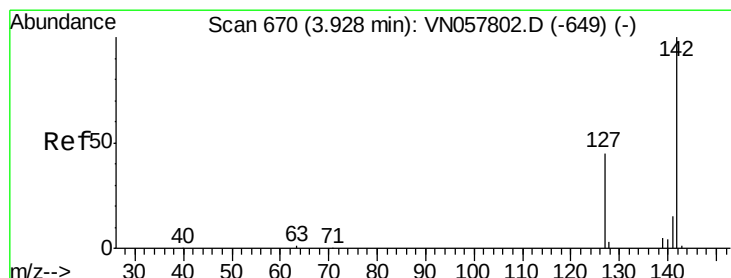
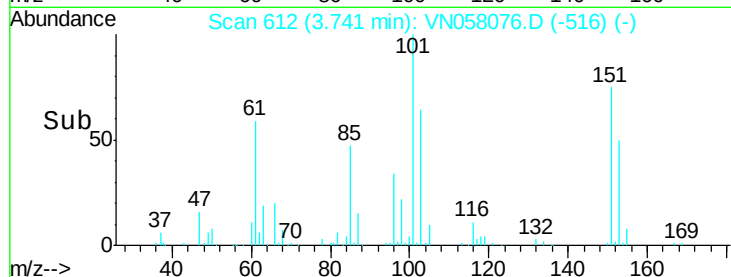
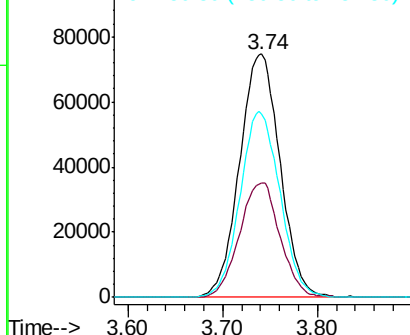
Tgt Ion:	101	Resp:	221931
Ion Ratio	Lower	Upper	
101	100		
85	47.4	38.1	57.1
151	75.5	58.4	87.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.872 ug/l

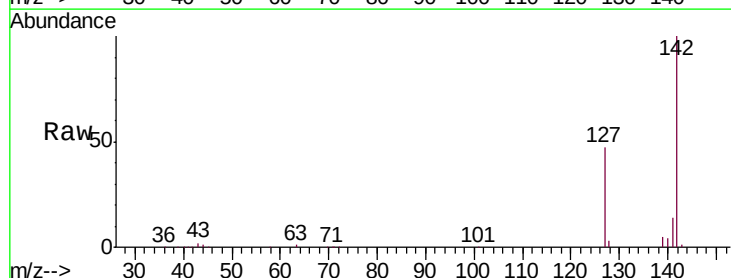
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

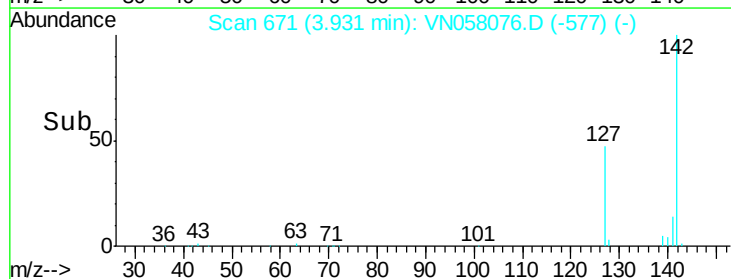
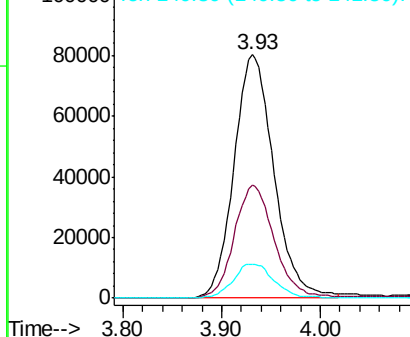
Lab File: VN058076.D

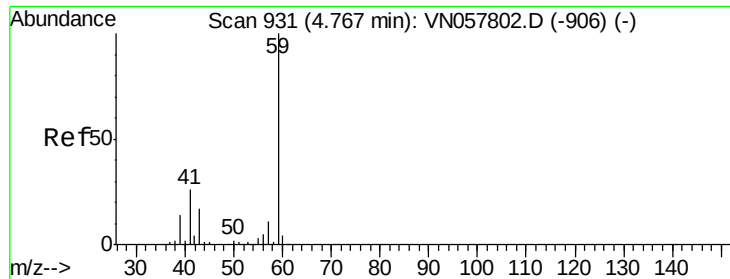
Acq: 15 Sep 2019 8:07

Tgt Ion:	142	Resp:	225286
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.7	55.1
141	14.2	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





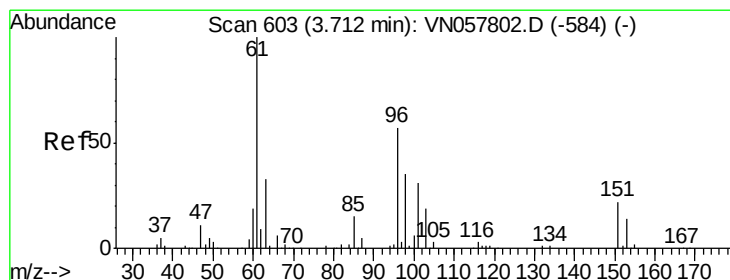
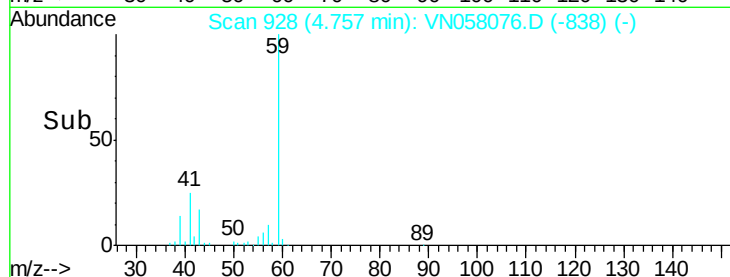
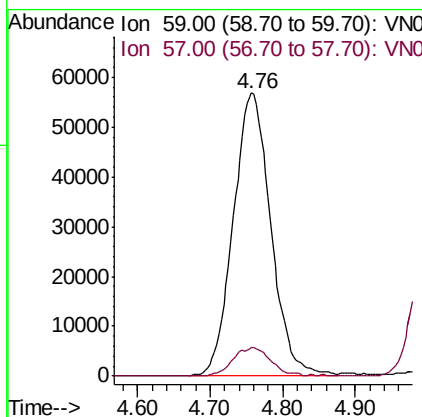
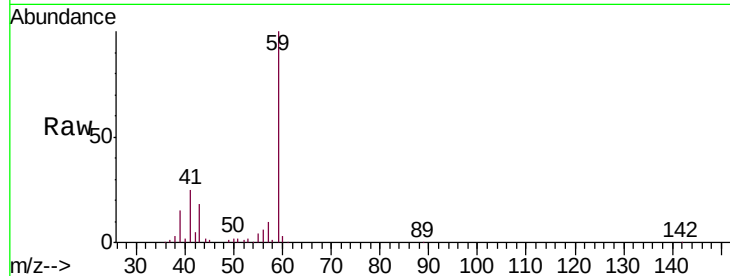
#11
Tert butyl alcohol
Concen: 224.602 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 205183
Ion Ratio Lower Upper
59 100
57 10.2 8.4 12.6

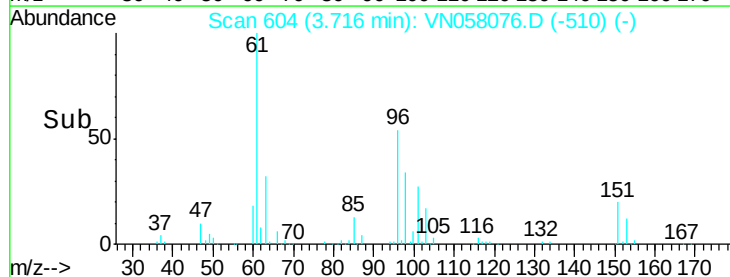
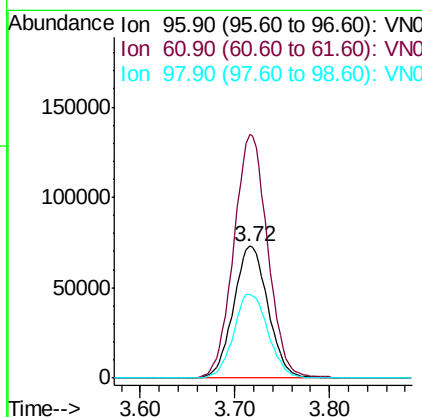
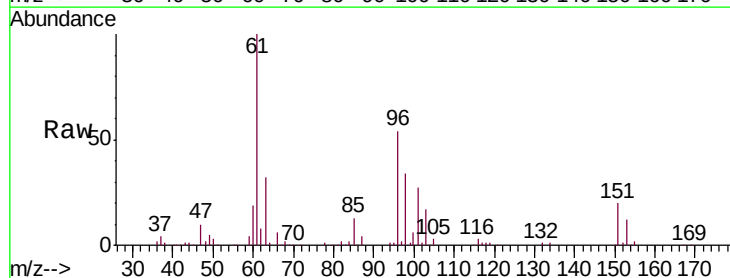
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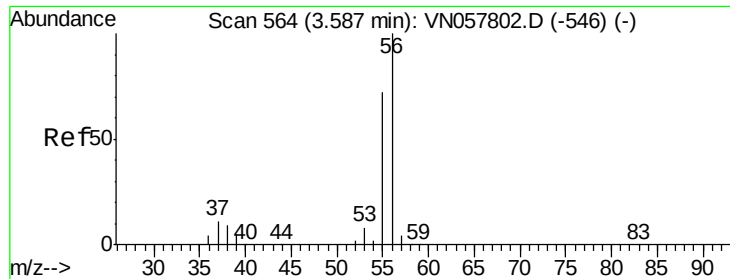
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.561 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 96 Resp: 184763
Ion Ratio Lower Upper
96 100
61 184.5 141.2 211.8
98 63.6 49.9 74.9





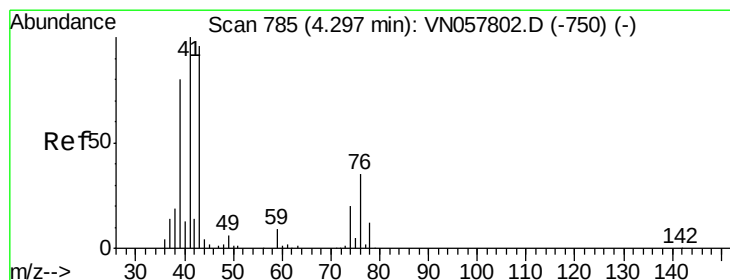
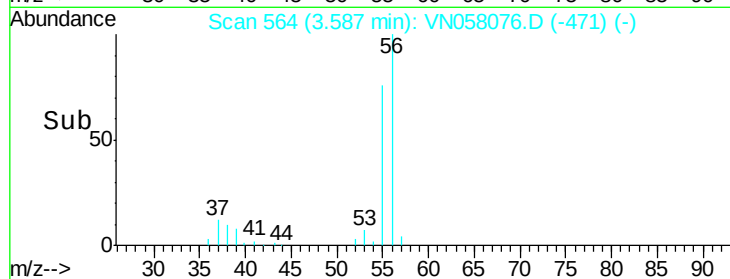
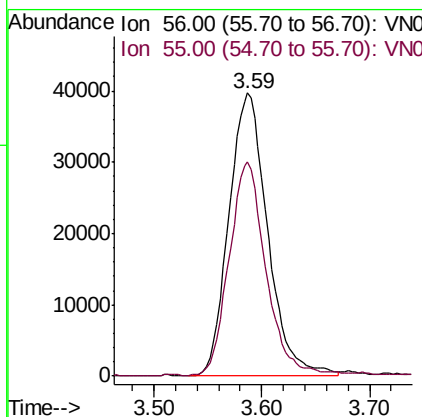
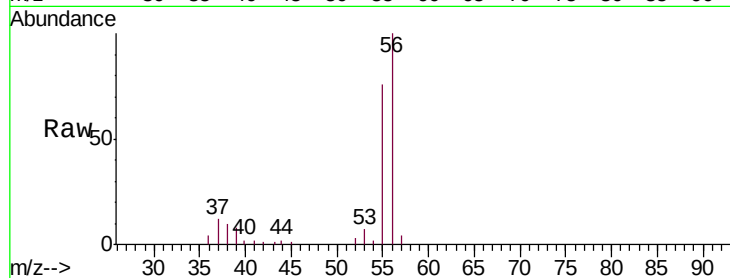
#13
Acrolein
Concen: 128.300 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.4	57.3	85.9

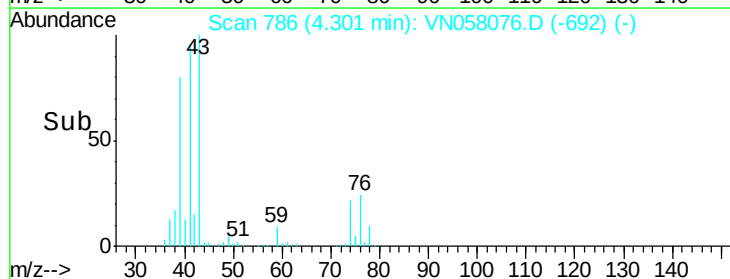
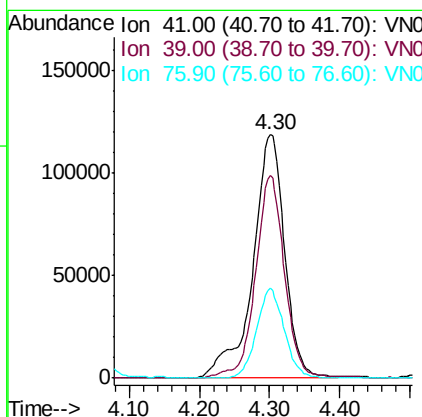
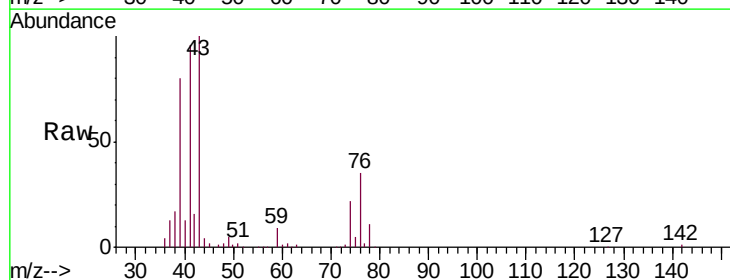
Manual Integrations
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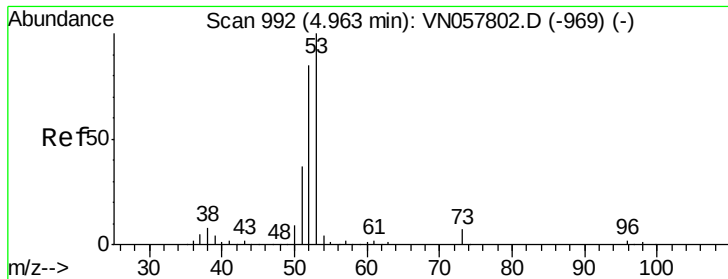
MMDadoda
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#14
Allyl chloride
Concen: 48.108 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.6	59.4	89.2
76	32.0	26.0	39.0





#15

Acrylonitrile

Concen: 255.492 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

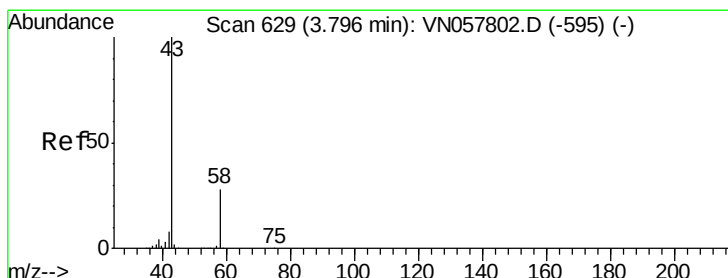
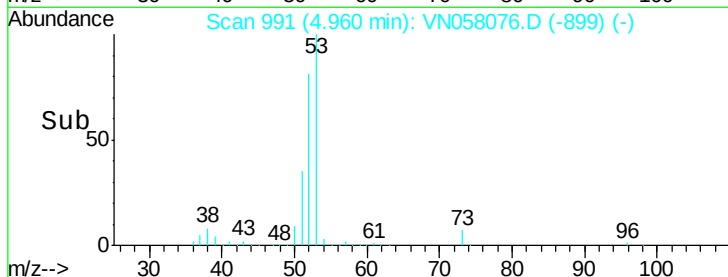
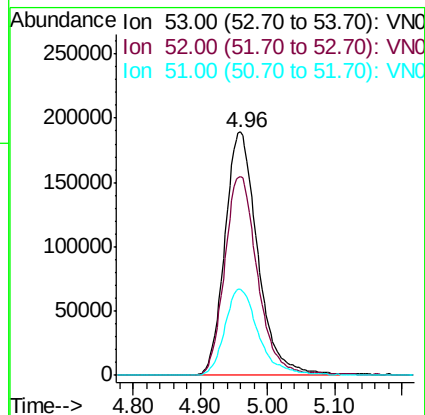
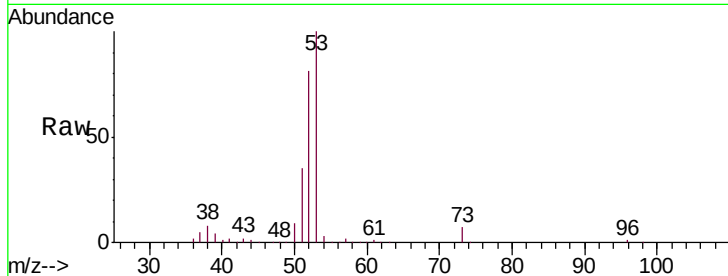
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	641529
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	100.0
51	36.6	29.8	44.8

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#16

Acetone

Concen: 268.078 ug/l

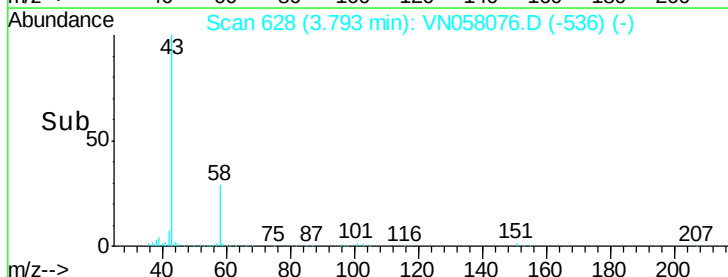
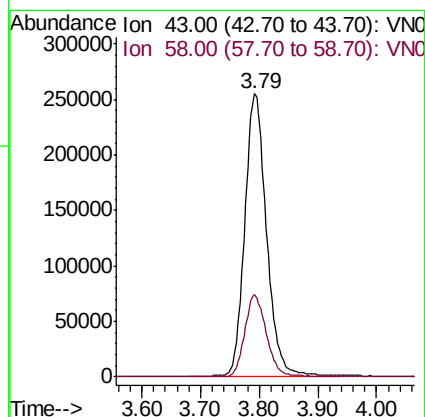
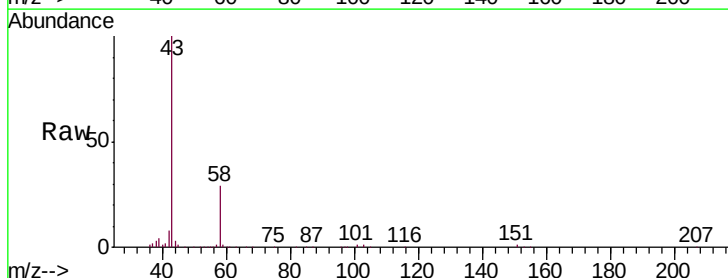
RT: 3.79 min Scan# 628

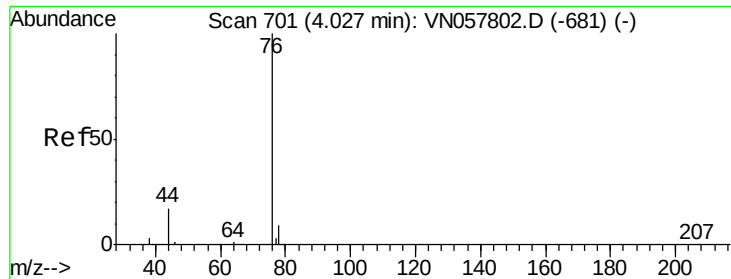
Delta R.T. -0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion:	43	Resp:	663320
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.2	33.2





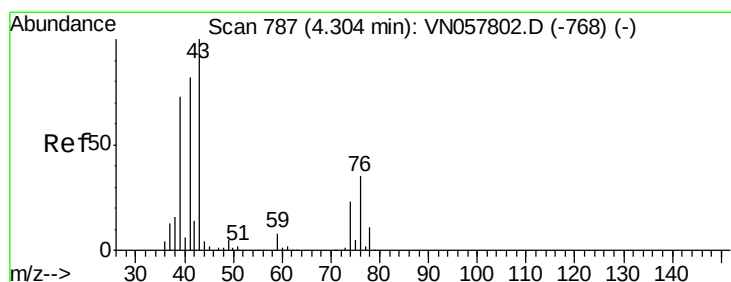
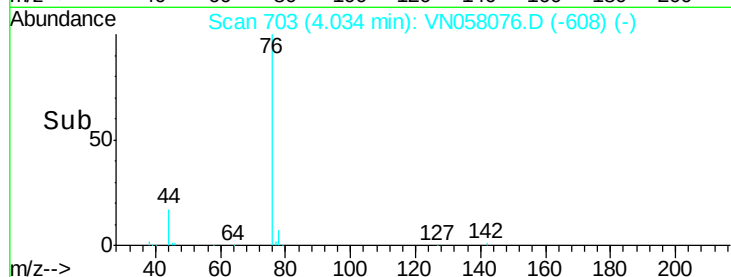
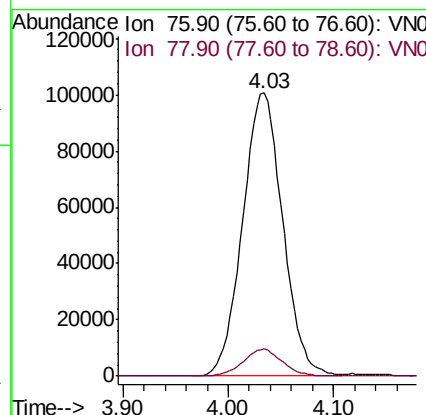
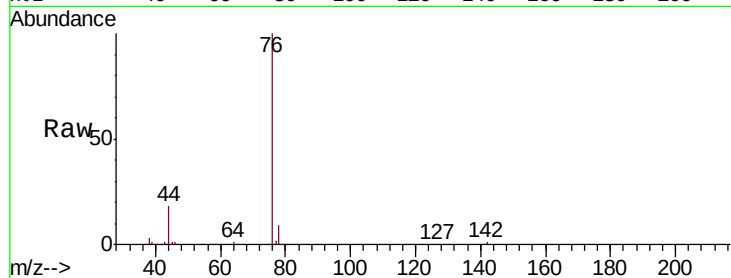
#17
Carbon Disulfide
Concen: 43.152 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 266372
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

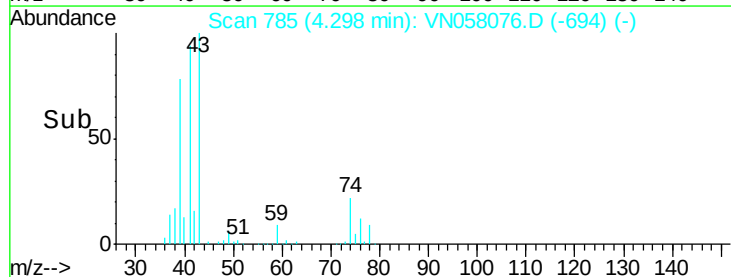
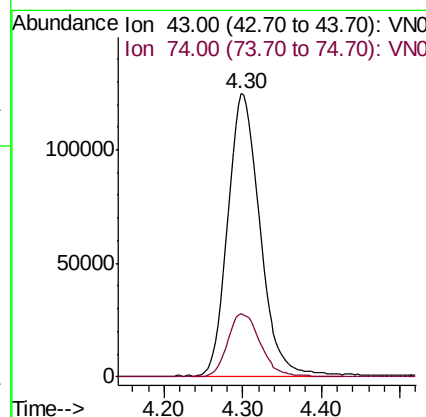
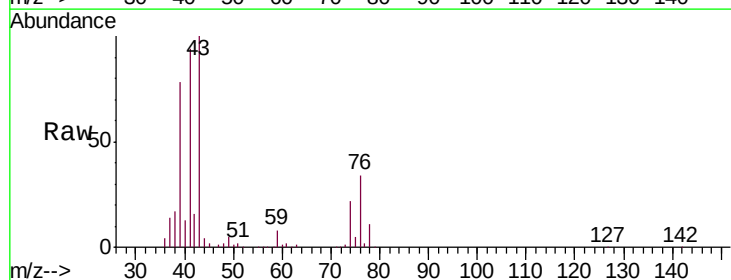
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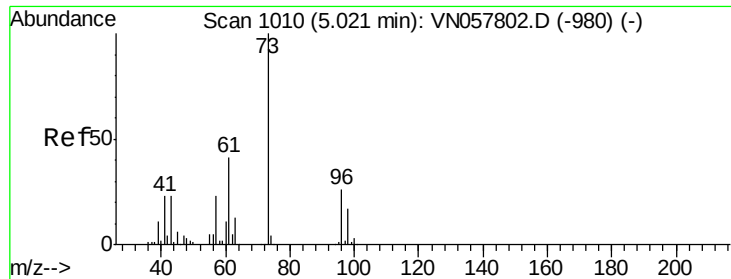
MMDadoda
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#18
Methyl Acetate
Concen: 53.212 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 43 Resp: 351059
Ion Ratio Lower Upper
43 100
74 23.0 17.9 26.9





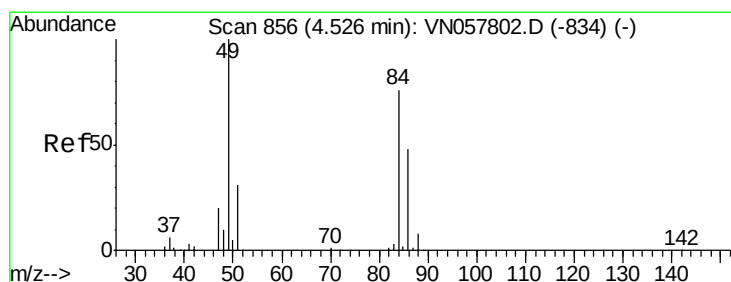
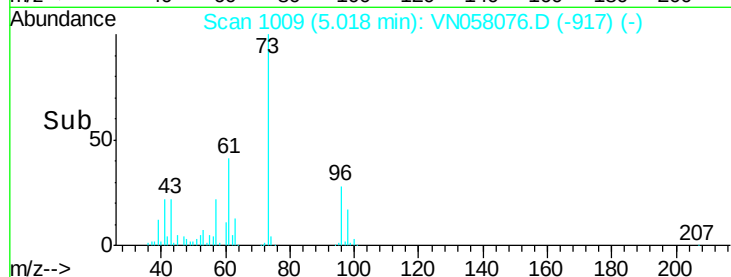
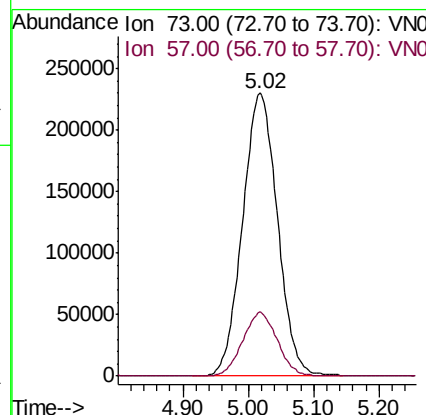
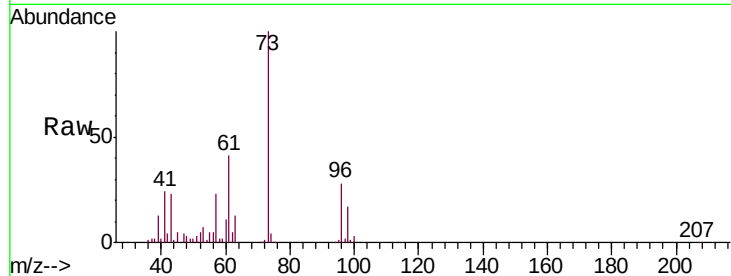
#19
Methyl tert-butyl Ether
Concen: 51.744 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 854504
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

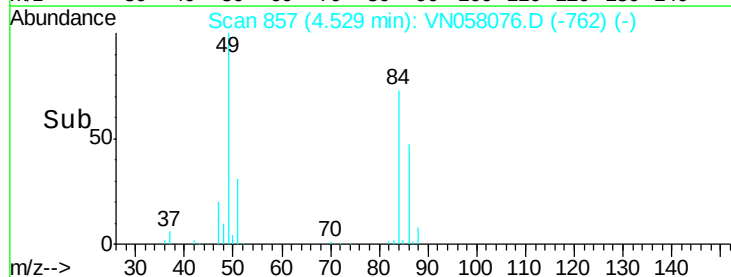
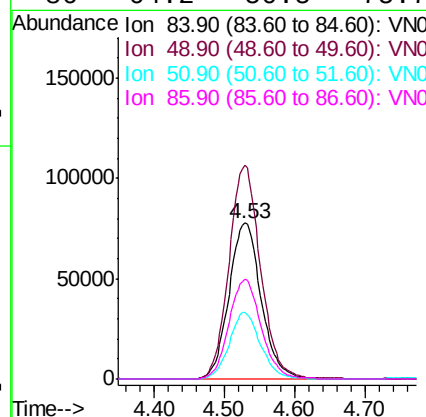
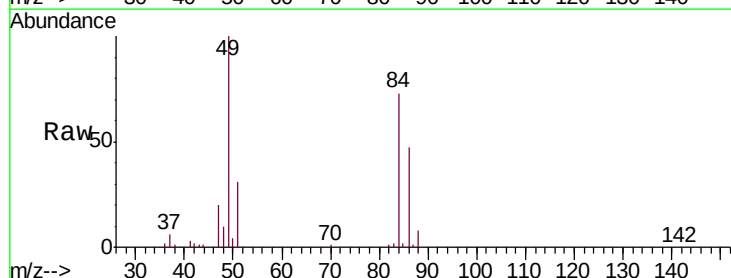
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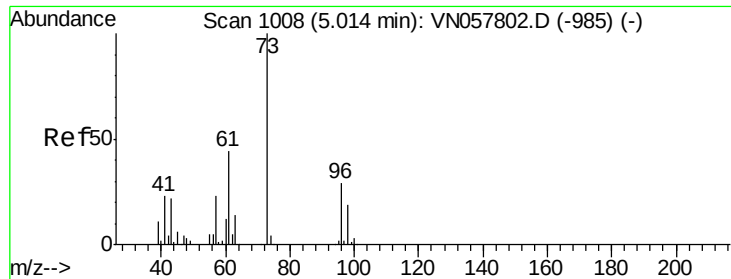
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#20
Methylene Chloride
Concen: 52.785 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 84 Resp: 248317
Ion Ratio Lower Upper
84 100
49 137.1 104.8 157.2
51 42.4 33.0 49.4
86 64.2 50.5 75.7





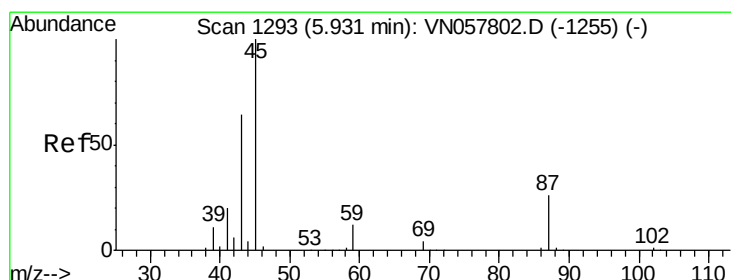
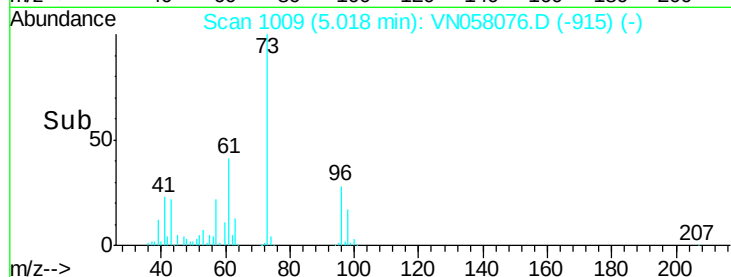
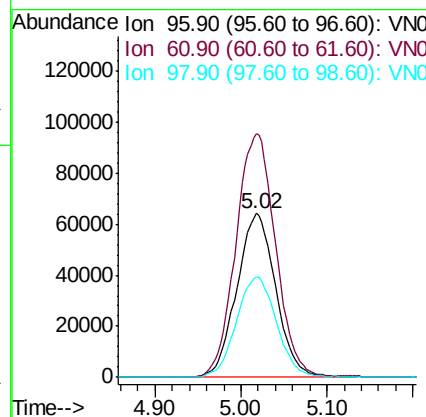
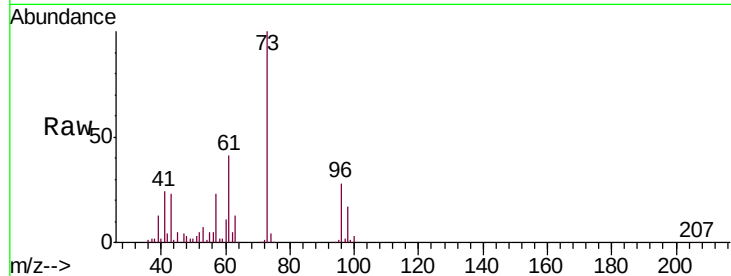
#21
trans-1,2-Dichloroethene
Concen: 47.106 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 202068
Ion Ratio Lower Upper
96 100
61 148.4 121.9 182.9
98 61.5 52.2 78.4

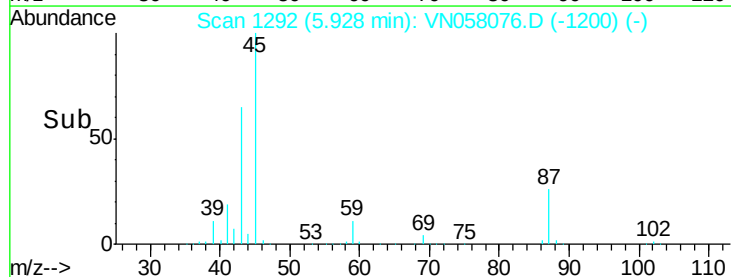
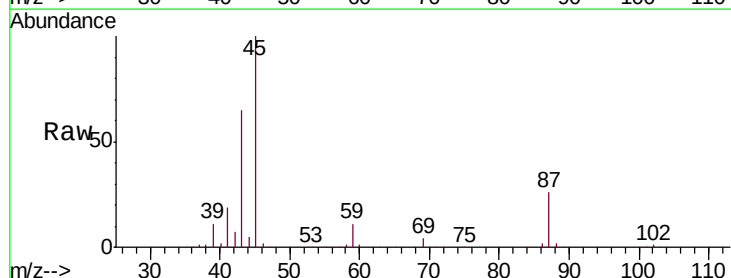
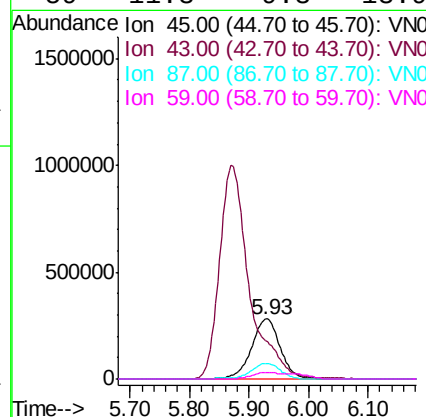
Manual Integrations
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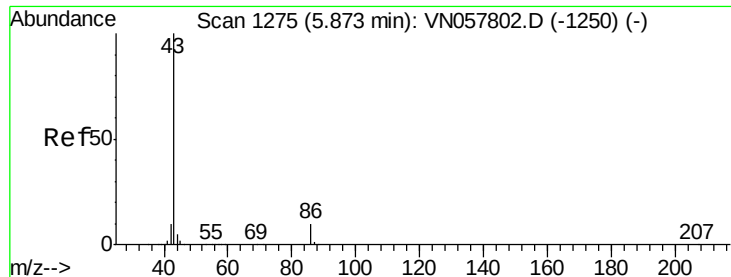
MMDadoda
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#22
Diisopropyl ether
Concen: 52.196 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 45 Resp: 950551
Ion Ratio Lower Upper
45 100
43 64.3 51.4 77.2
87 25.6 21.3 31.9
59 11.3 9.3 13.9





#23

Vinyl Acetate

Concen: 269.474 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 3477941

Ion Ratio Lower Upper

43 100

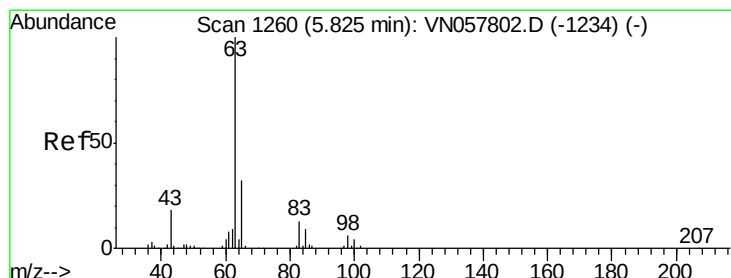
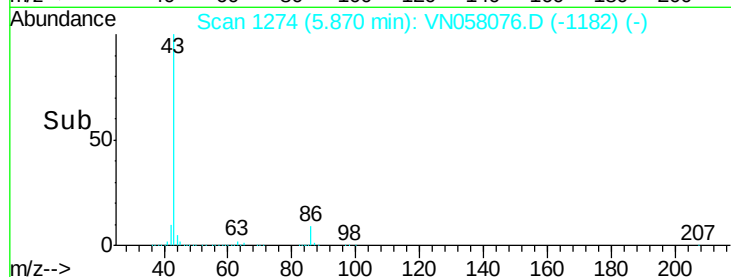
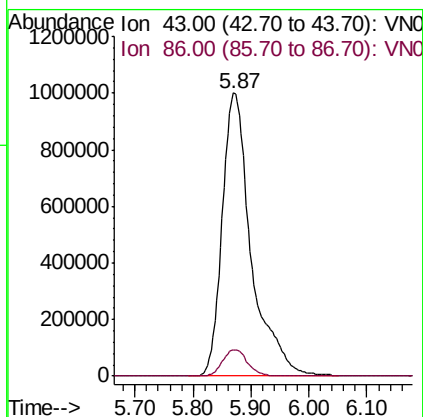
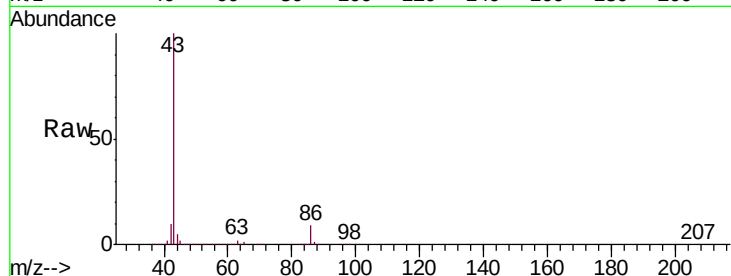
86 9.3 7.7 11.5

Manual Integrations

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MMDadoda

9/18/2019 1:56:04 PM



#24

1,1-Dichloroethane

Concen: 50.306 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

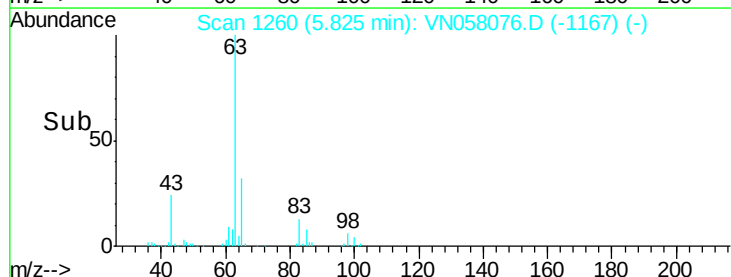
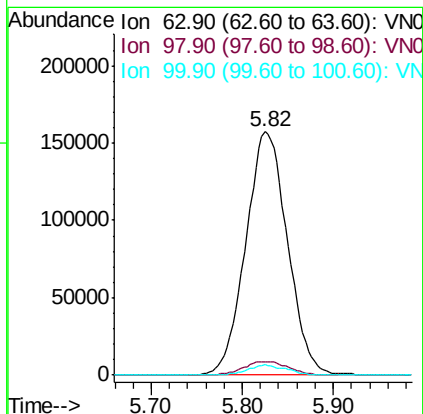
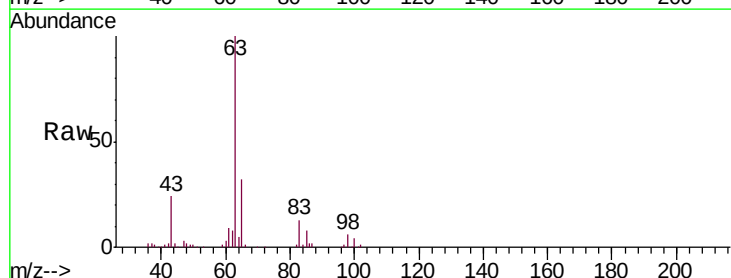
Tgt Ion: 63 Resp: 500699

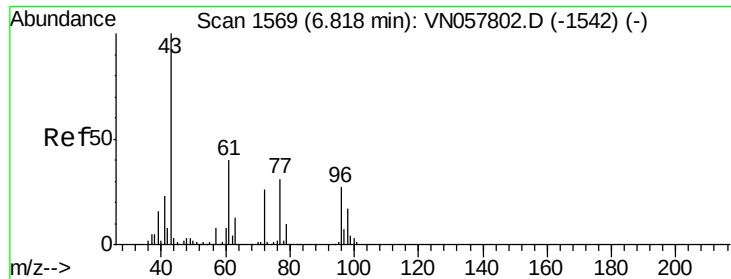
Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 4.1 2.0 5.8





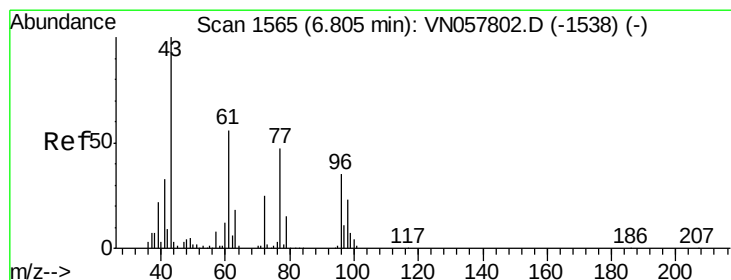
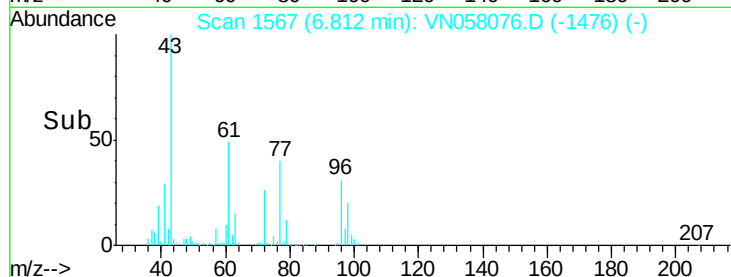
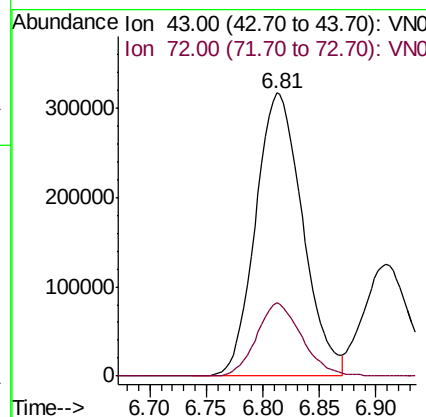
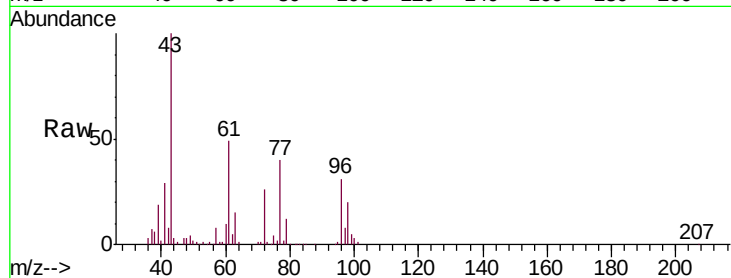
#25
2-Butanone
Concen: 254.628 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 911889
Ion Ratio Lower Upper
43 100
72 25.9 20.6 30.8

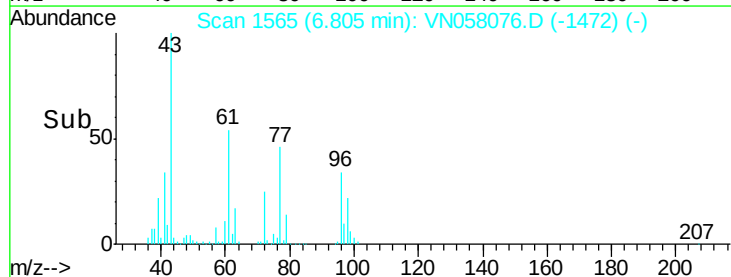
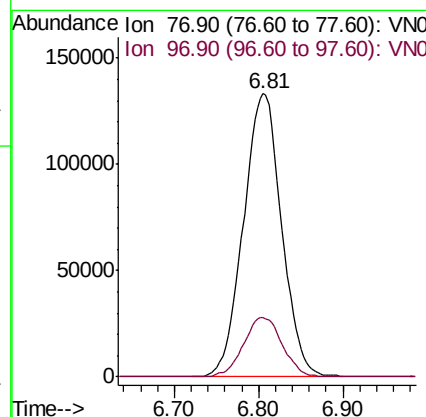
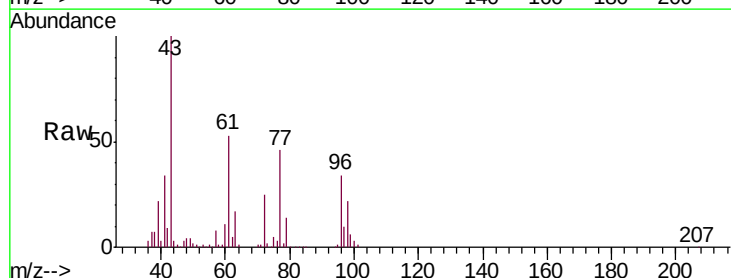
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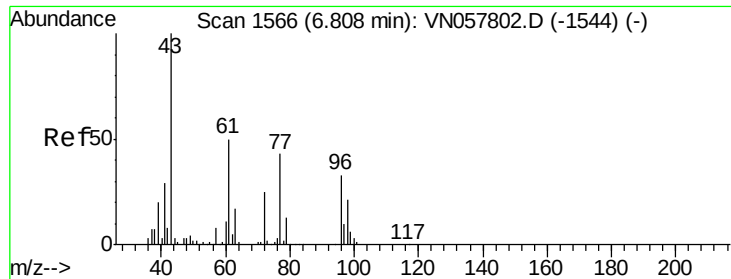
MMDadoda
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#26
2,2-Dichloropropane
Concen: 53.106 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 77 Resp: 418293
Ion Ratio Lower Upper
77 100
97 21.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 49.649 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

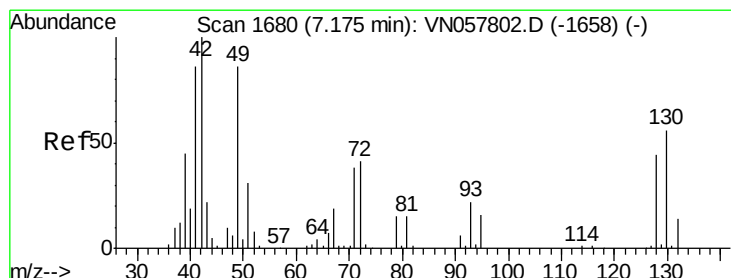
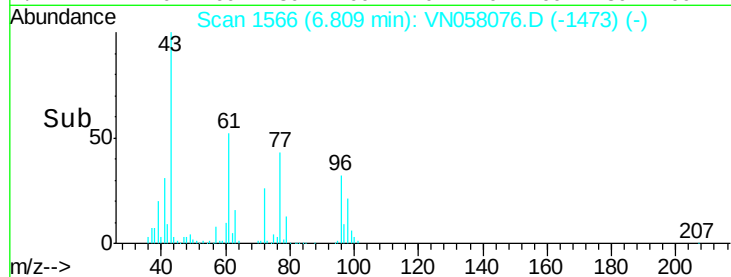
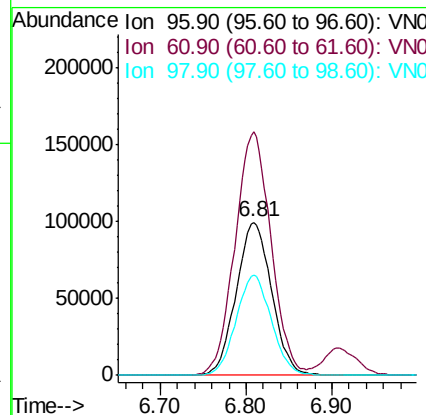
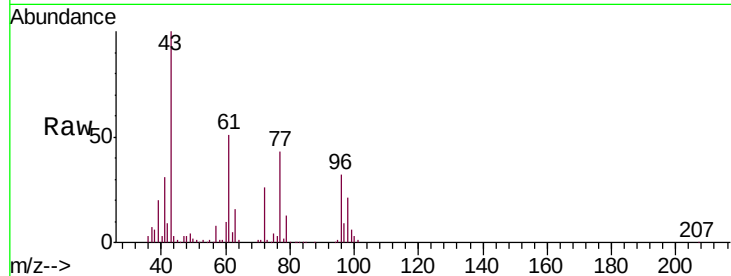
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	285412
Ion Ratio	Lower	Upper	
96	100		
61	161.1	0.0	314.0
98	65.4	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 52.321 ug/l

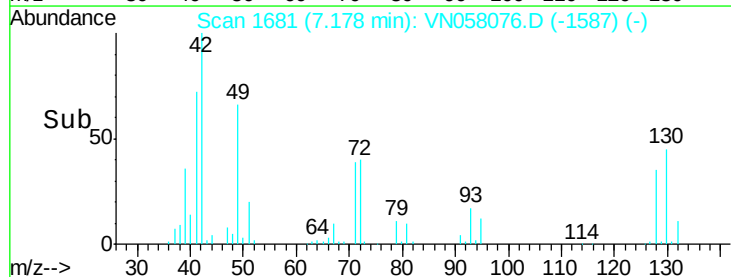
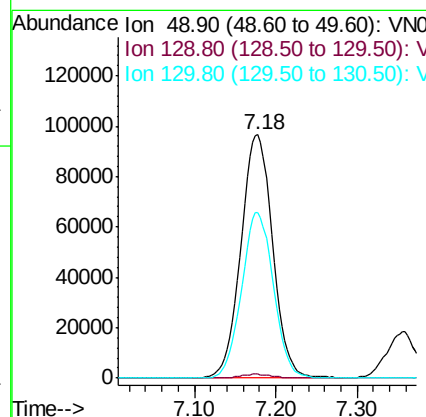
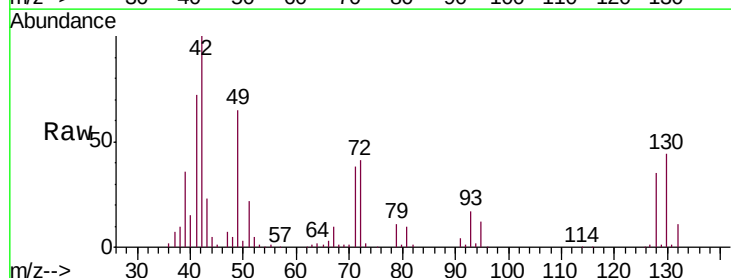
RT: 7.18 min Scan# 1681

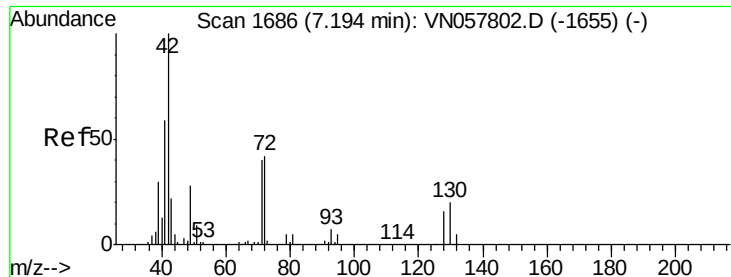
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion:	49	Resp:	260159
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.8
130	68.2	53.0	79.6





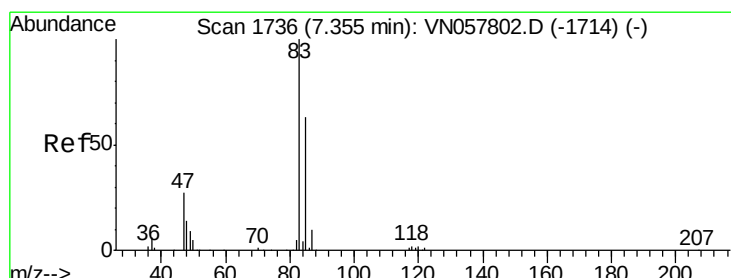
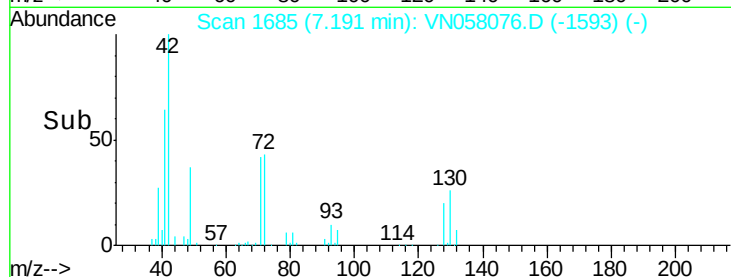
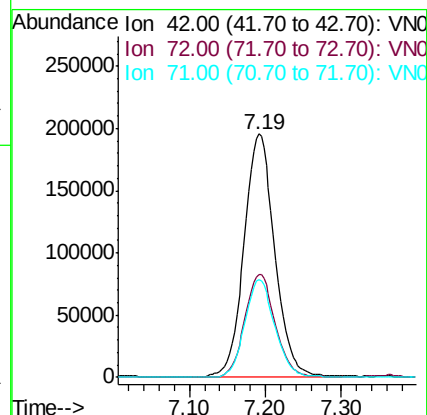
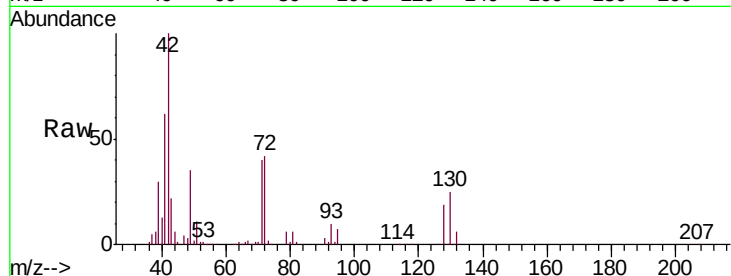
#29
Tetrahydrofuran
Concen: 247.761 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	39.5	31.9	47.9

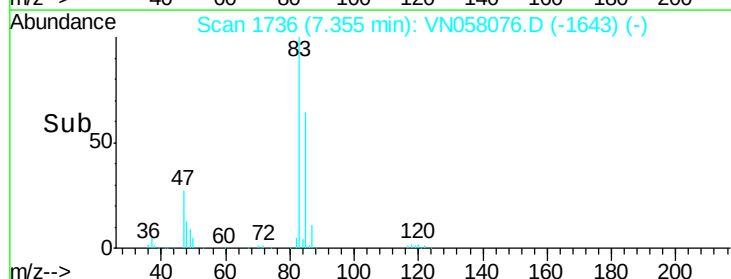
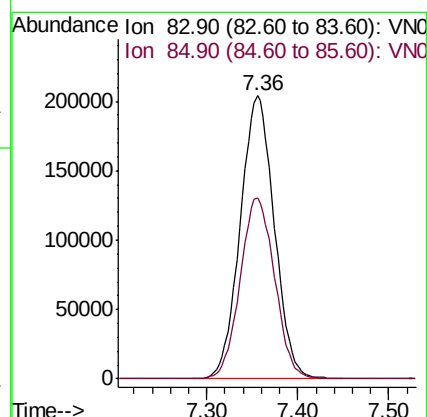
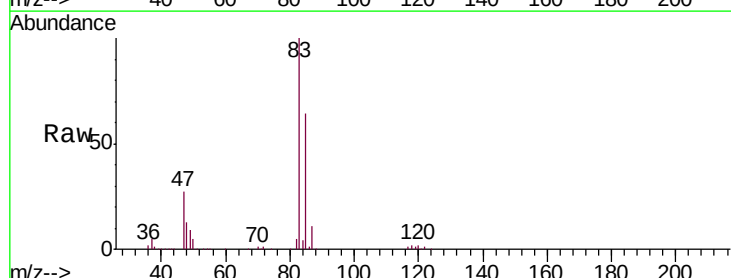
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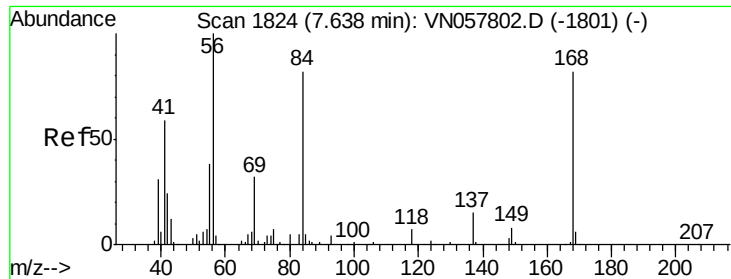
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#30
Chloroform
Concen: 51.004 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	75.8





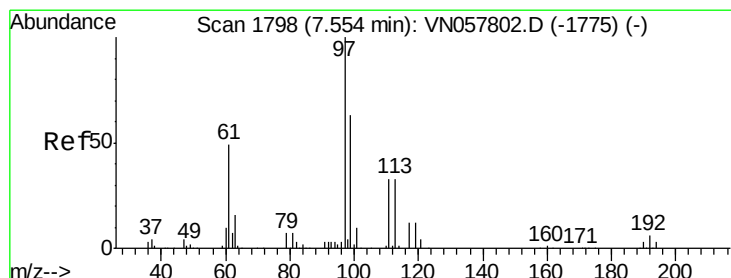
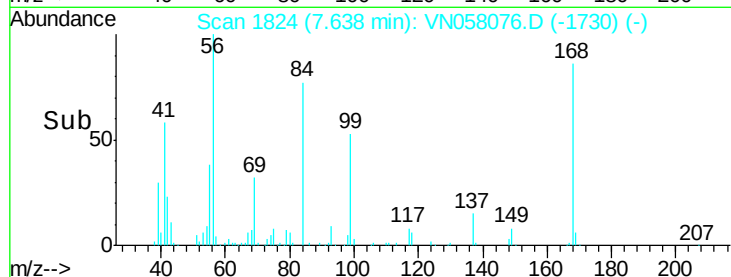
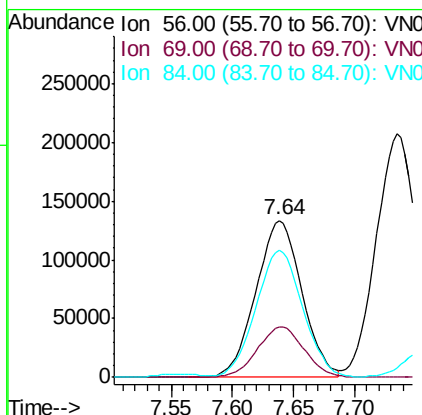
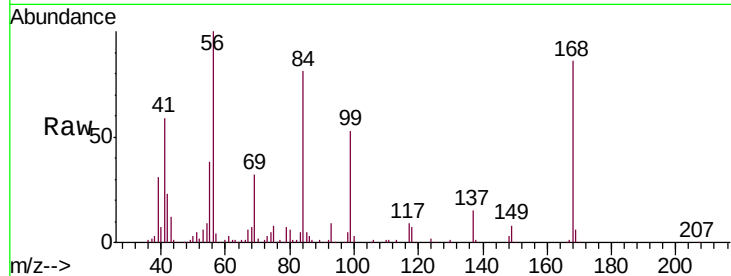
#31
Cyclohexane
Concen: 51.601 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.9	38.9
84	78.8	65.6	98.4

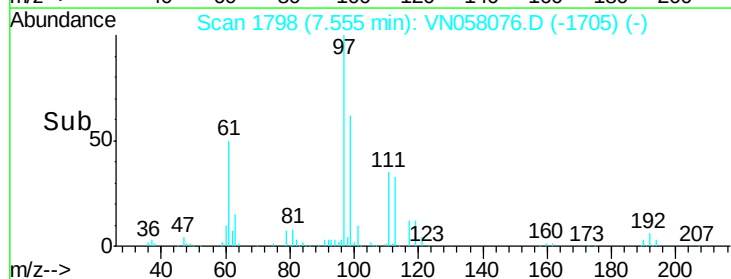
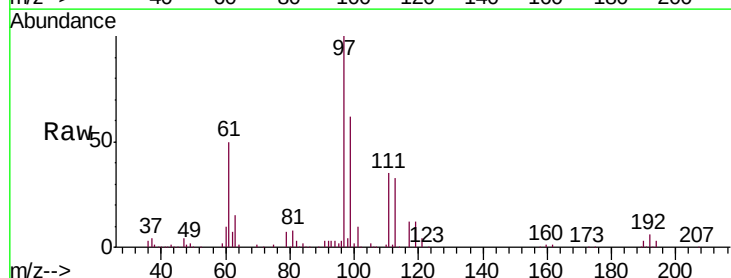
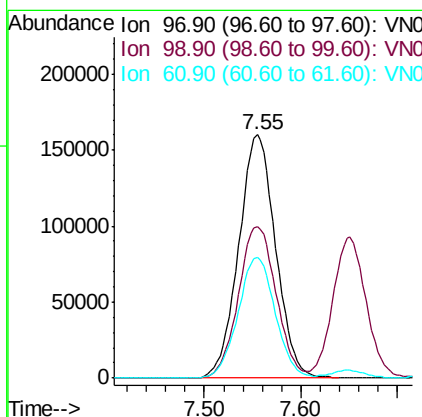
Manual Integrations
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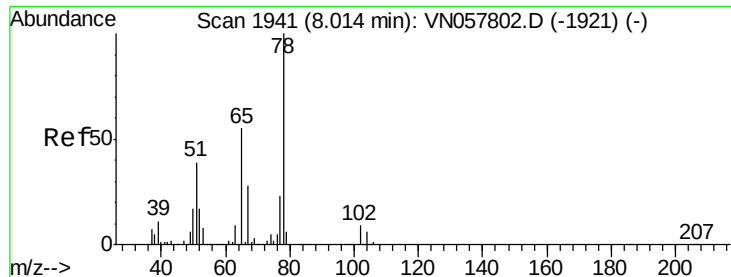
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#32
1,1,1-Trichloroethane
Concen: 51.390 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	50.2	39.0	58.6





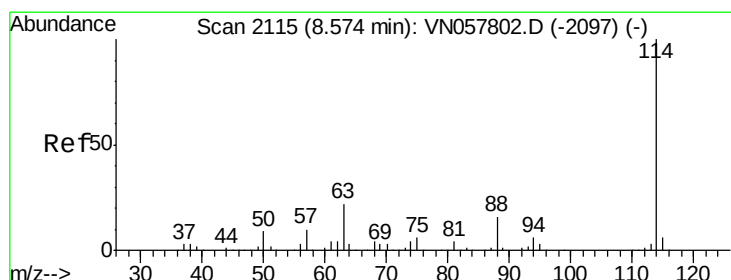
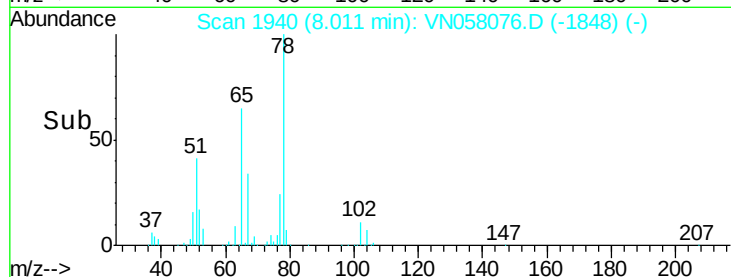
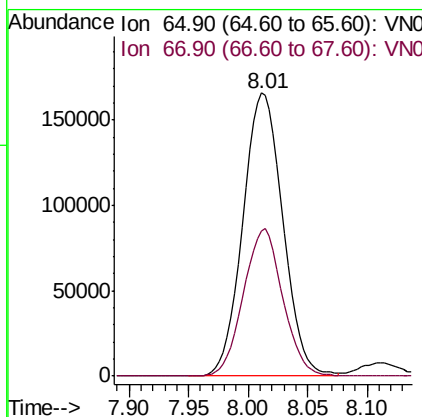
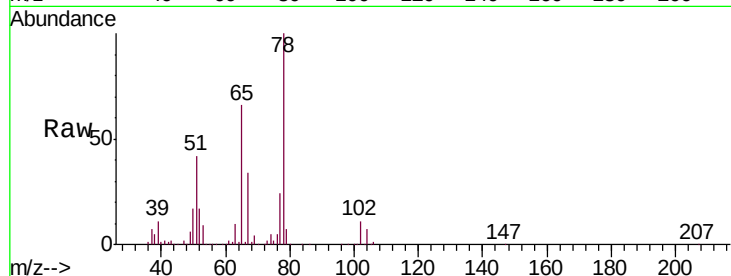
#33
 1,2-Dichloroethane-d4
 Concen: 51.272 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	386998		
67	51.1	0.0	104.0	

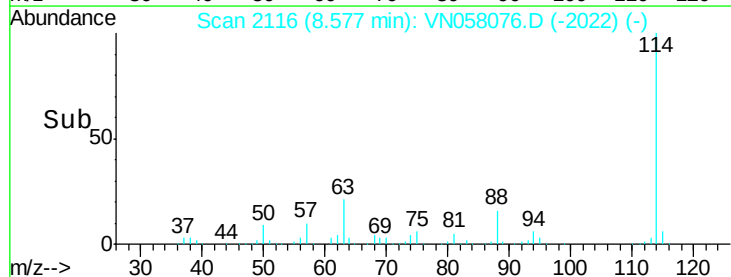
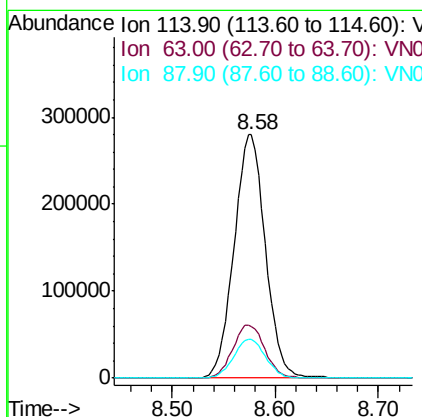
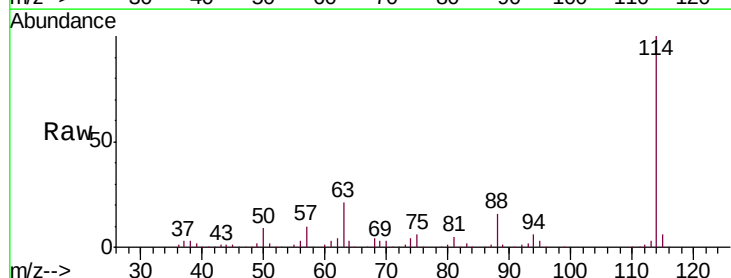
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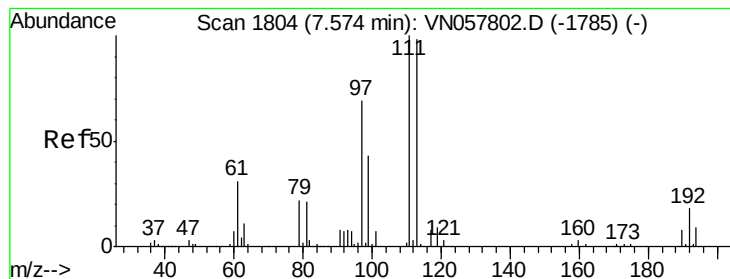
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	591655		
63	21.3	0.0	44.0	
88	15.8	0.0	31.4	





#35

Dibromofluoromethane

Concen: 51.381 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

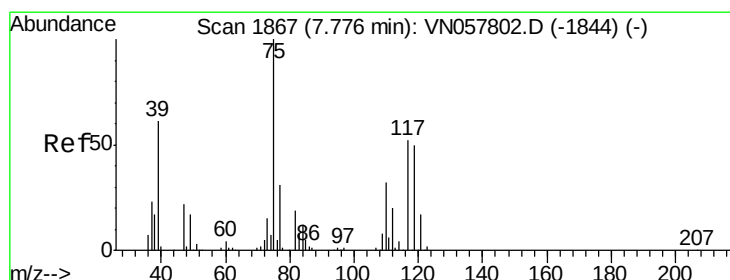
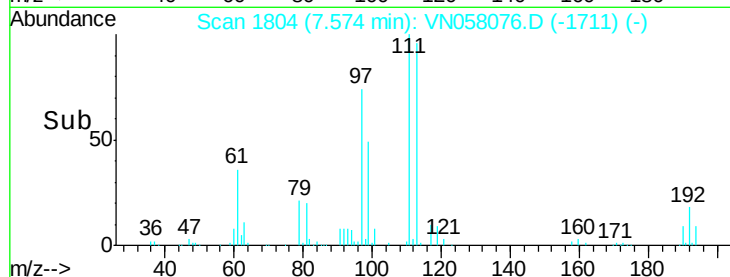
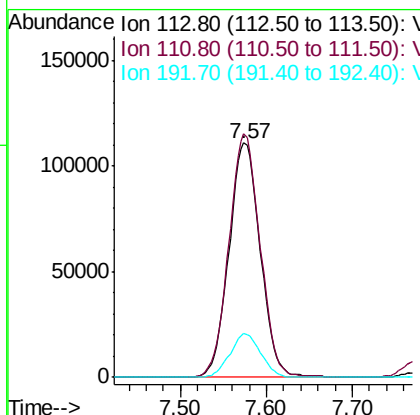
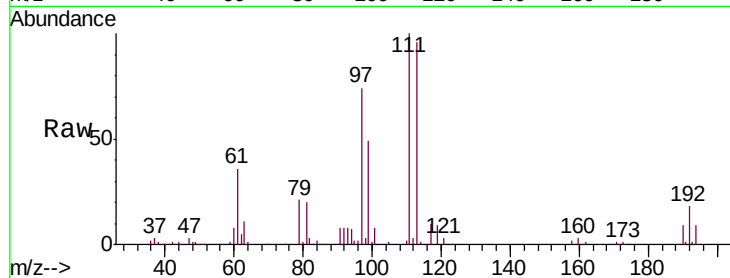
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	280580
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.3	121.9
192	18.4	14.6	22.0

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#36

1,1-Dichloropropene

Concen: 48.587 ug/l

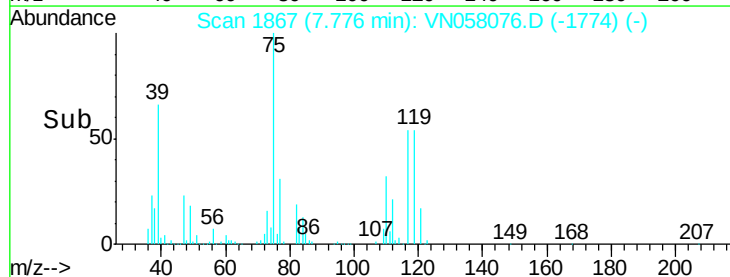
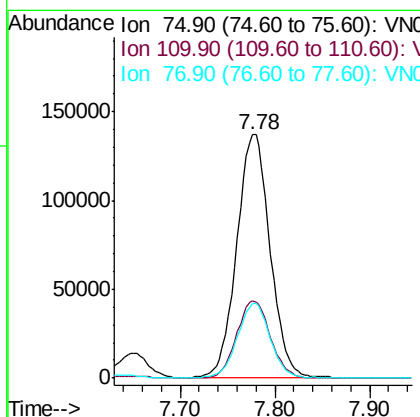
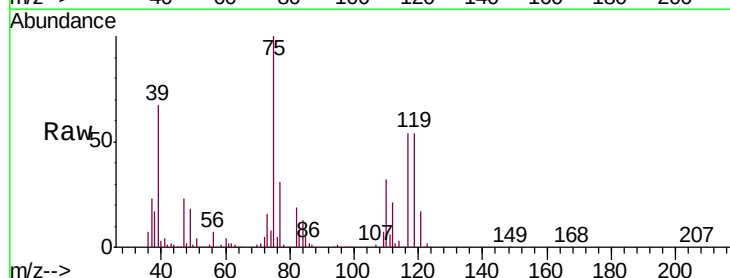
RT: 7.78 min Scan# 1867

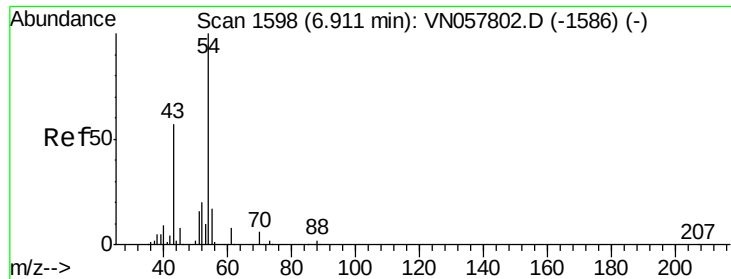
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion:	75	Resp:	333388
Ion Ratio	Lower	Upper	
75	100		
110	32.4	16.3	48.9
77	30.6	25.0	37.4





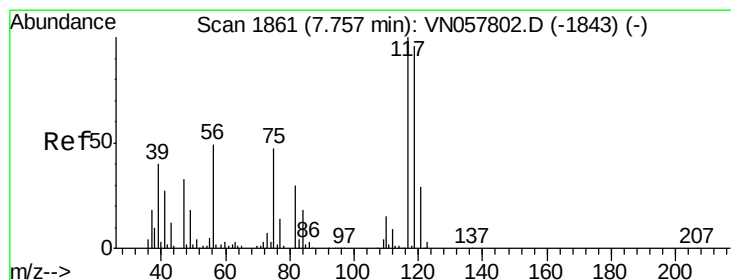
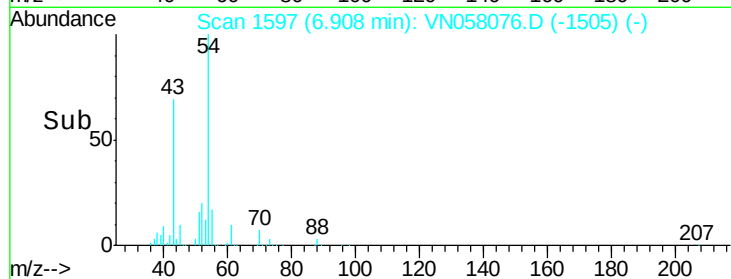
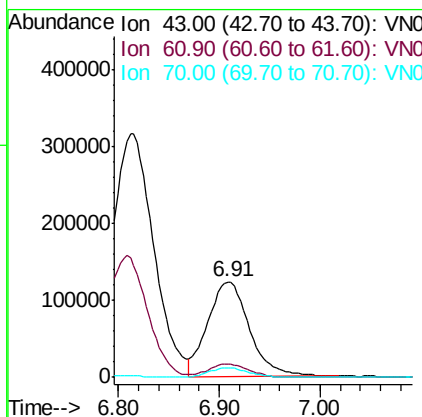
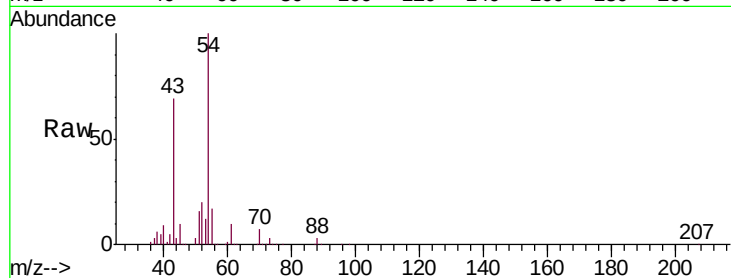
#37
Ethyl Acetate
 Concen: 49.994 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.7	7.4	11.0

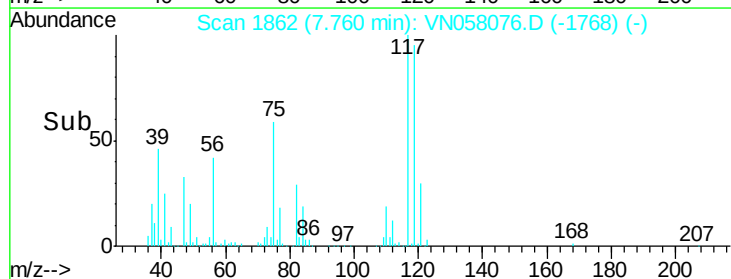
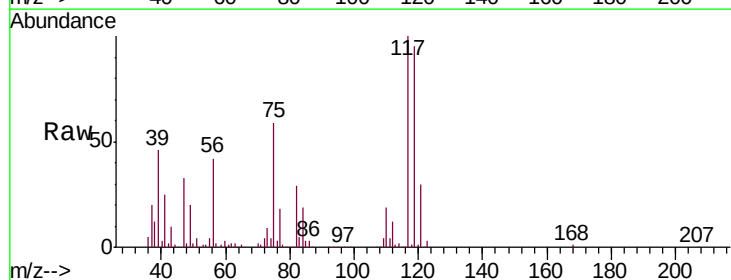
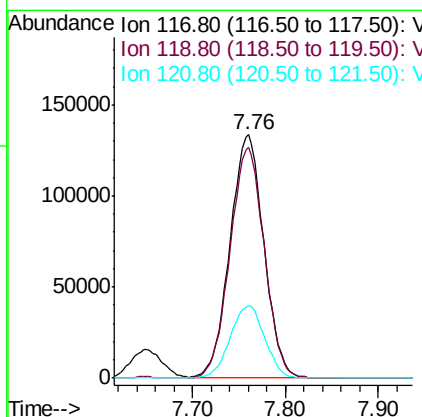
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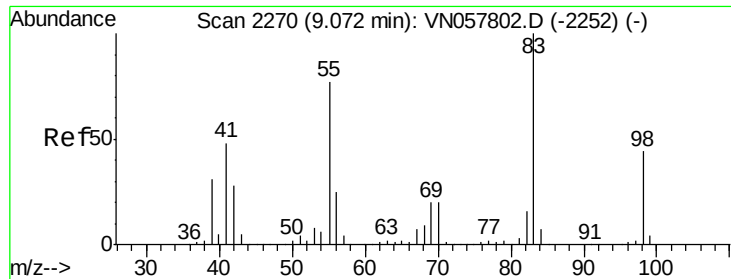
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#38
Carbon Tetrachloride
 Concen: 53.954 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.9	115.3
121	29.8	23.4	35.2





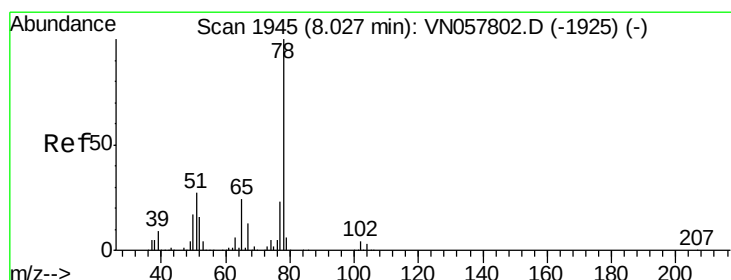
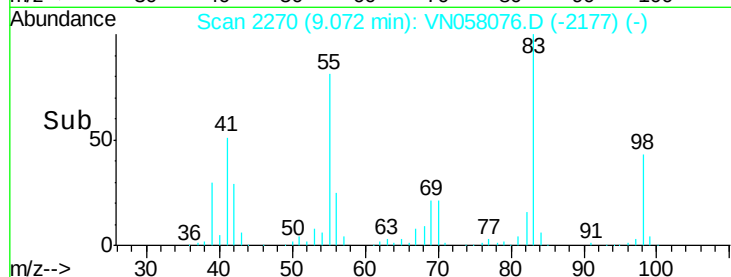
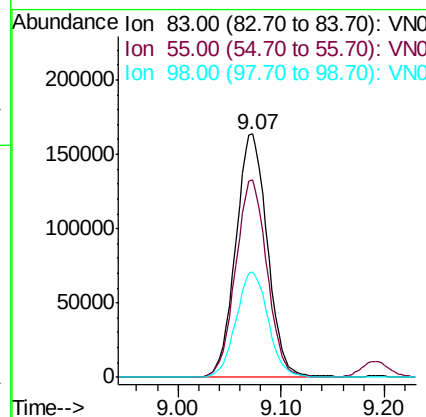
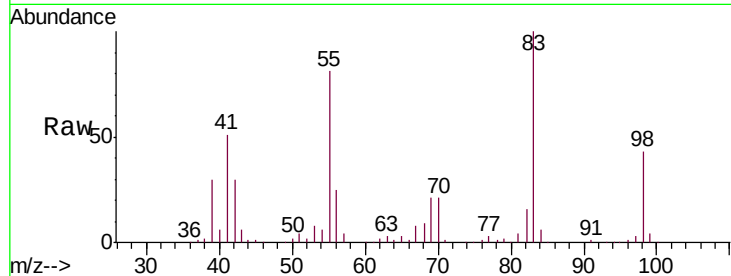
#39
Methylcyclohexane
Concen: 48.566 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	350315		
55	81.0	61.6	92.4	
98	43.4	34.9	52.3	

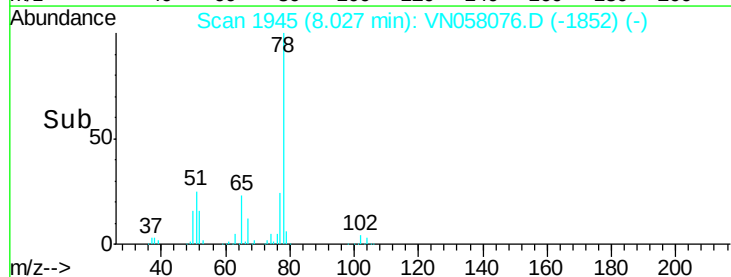
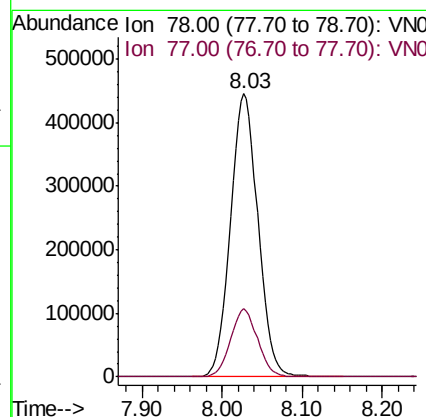
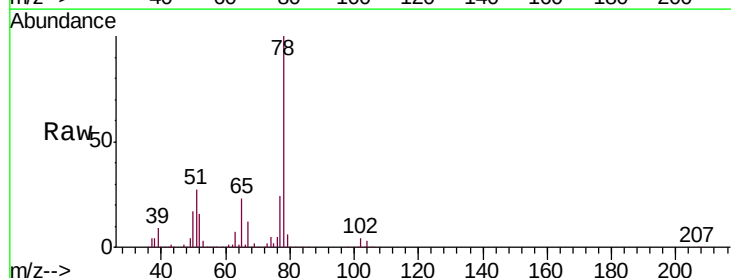
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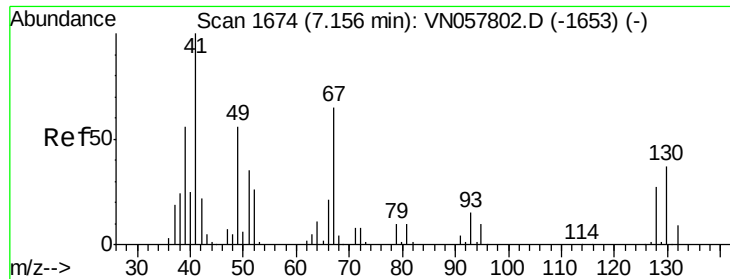
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#40
Benzene
Concen: 50.464 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1042487		
77	24.0	18.3	27.5	





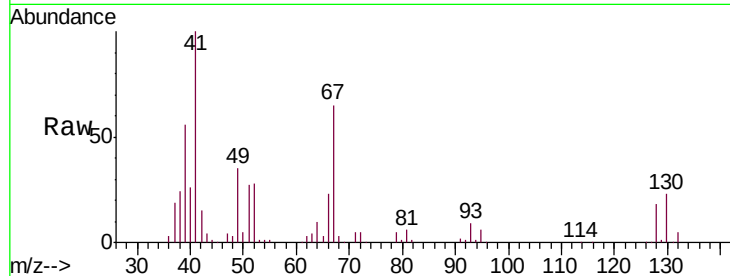
#41
Methacrylonitrile
Concen: 51.040 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

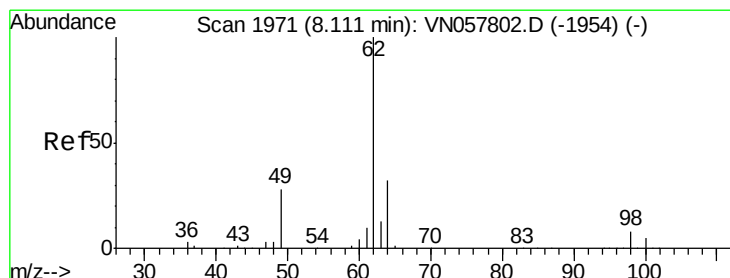
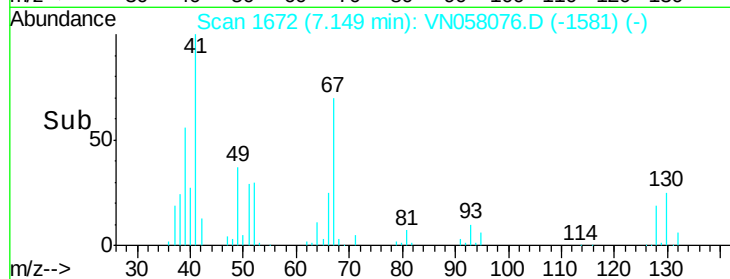
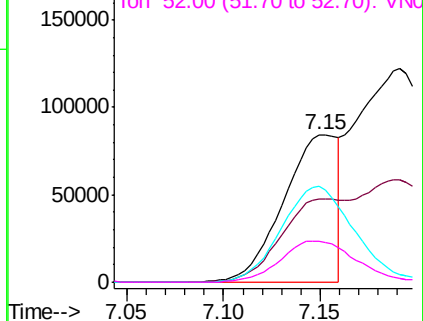
Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.6	51.0	76.6	
67	88.3	70.7	106.1	
52	39.1	30.8	46.2	

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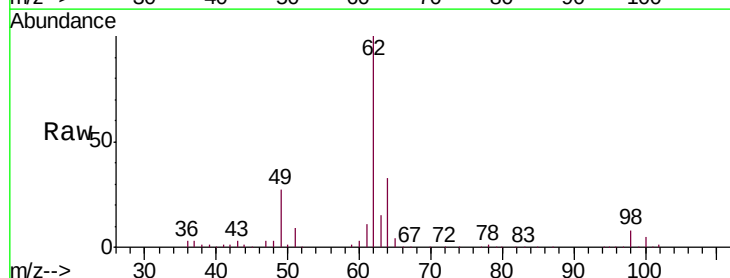


Abundance Ion 41.00 (40.70 to 41.70): VN058076.D (-1581) (-)
Ion 39.00 (38.70 to 39.70): VN058076.D (-1581) (-)
Ion 67.00 (66.70 to 67.70): VN058076.D (-1581) (-)
Ion 52.00 (51.70 to 52.70): VN058076.D (-1581) (-)

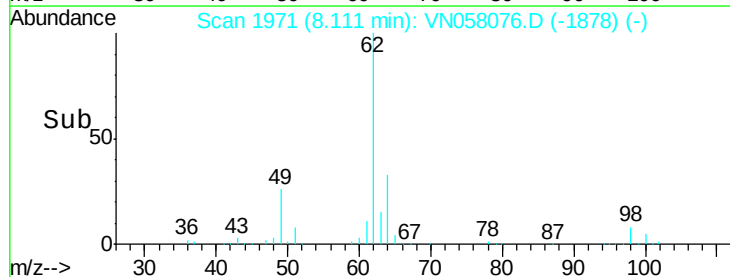
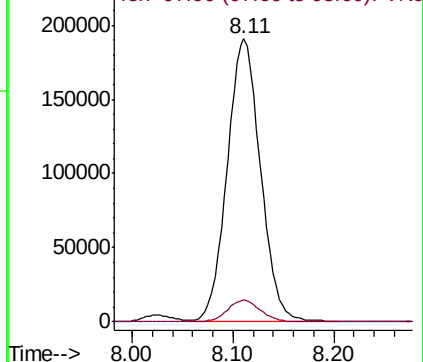


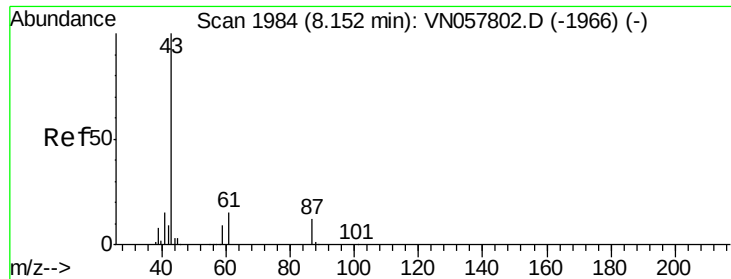
#42
1,2-Dichloroethane
Concen: 52.886 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	15.8	



Abundance Ion 61.90 (61.60 to 62.60): VN058076.D (-1878) (-)
Ion 97.90 (97.60 to 98.60): VN058076.D (-1878) (-)





#43

Isopropyl Acetate

Concen: 54.530 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

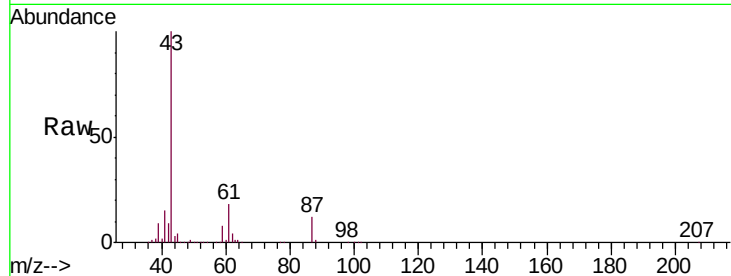
ClientSampleId :

VSTDCCC050

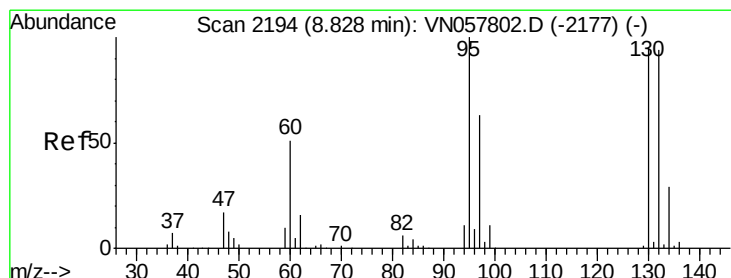
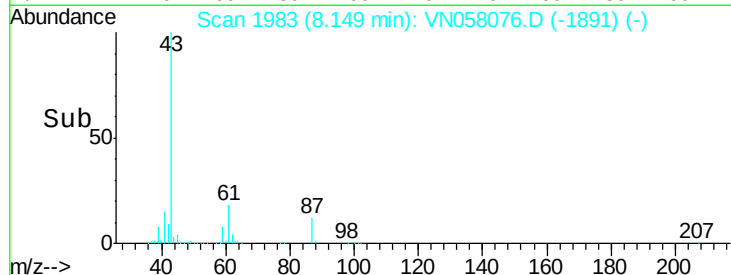
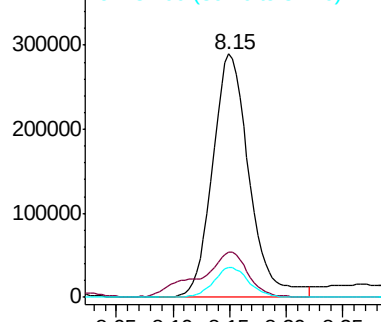
Tgt Ion:	43	Resp:	650106
Ion	Ratio	Lower	Upper
43	100		
61	24.4	20.1	30.1
87	11.8	9.5	14.3

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Abundance Ion 43.00 (42.70 to 43.70): VN058076.D (-1891) (-)



#44

Trichloroethene

Concen: 50.814 ug/l

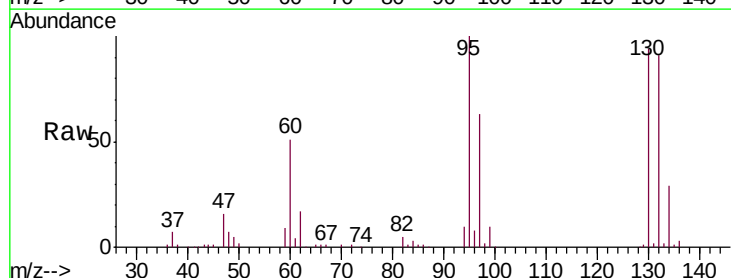
RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

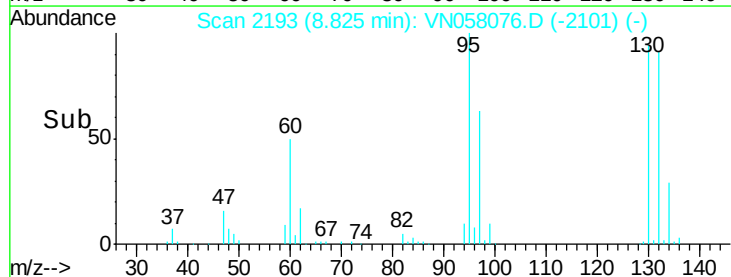
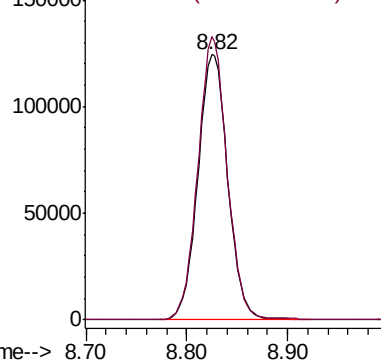
Lab File: VN058076.D

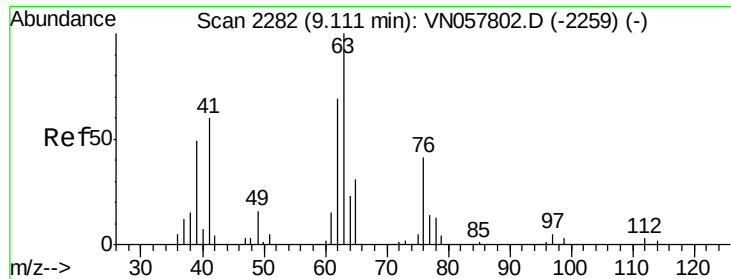
Acq: 15 Sep 2019 8:07

Tgt Ion:	130	Resp:	257466
Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	211.4



Abundance Ion 129.80 (129.50 to 130.50): VN058076.D (-2101) (-)





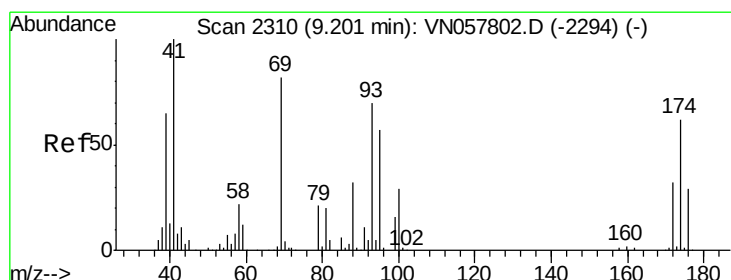
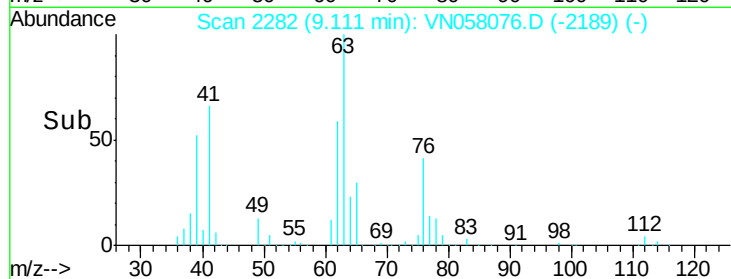
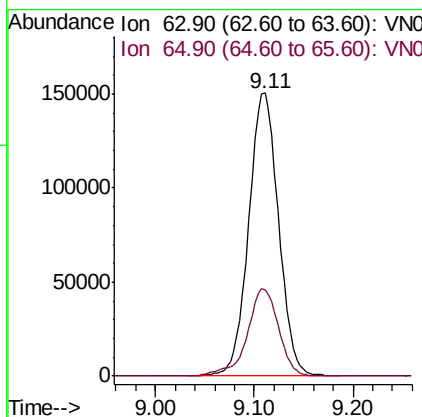
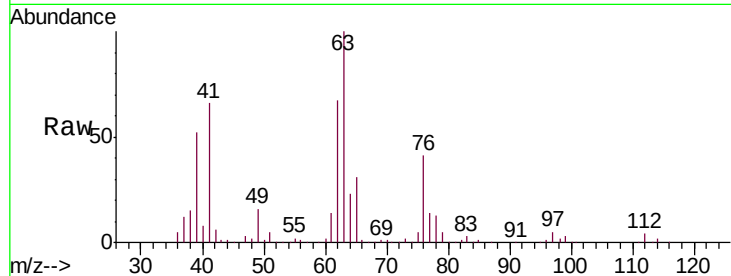
#45
 1,2-Dichloropropane
 Concen: 52.366 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 314782
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2

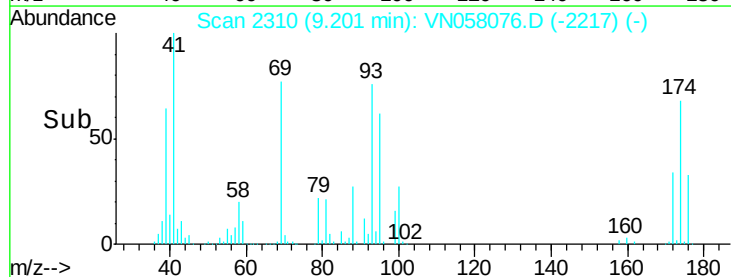
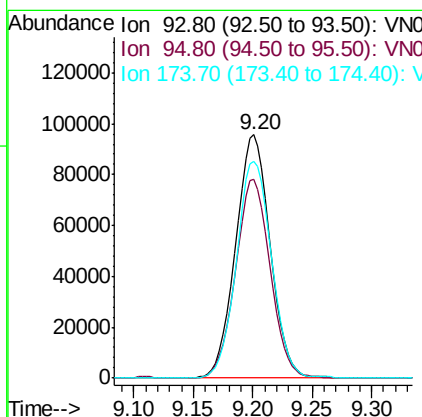
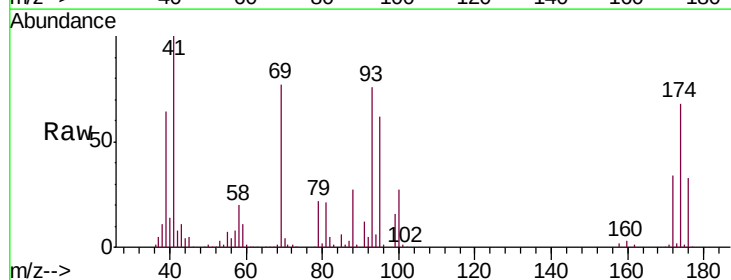
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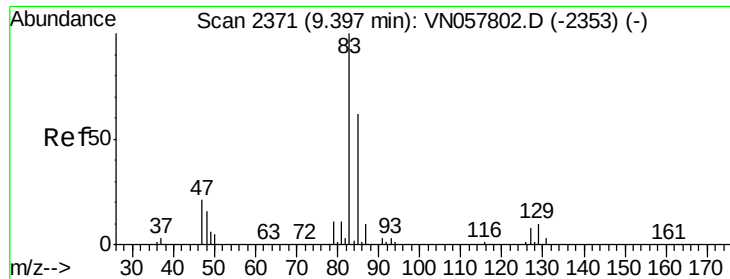
MMDadoda
 9/18/2019 1:56:04 PM



#46
 Dibromomethane
 Concen: 53.045 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion: 93 Resp: 192683
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.9 98.9
 174 90.5 71.8 107.6





#47

Bromodichloromethane

Concen: 55.959 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

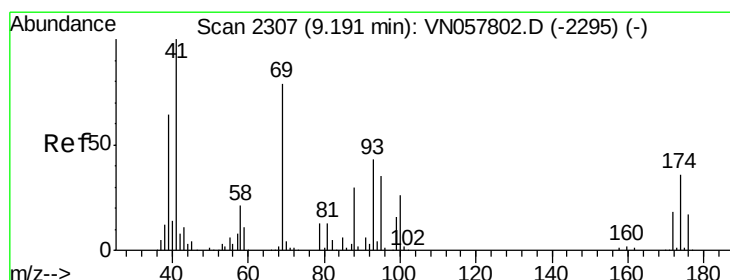
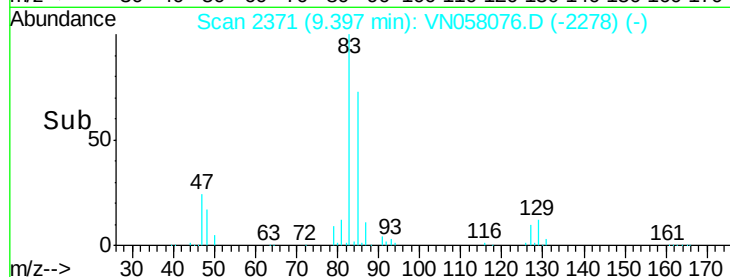
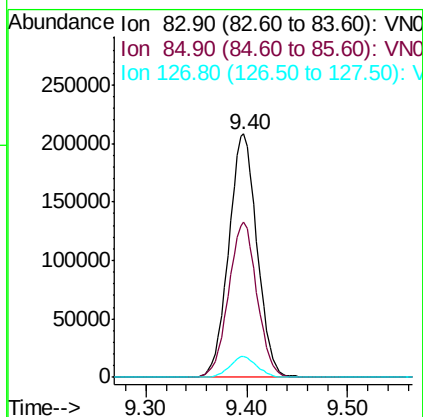
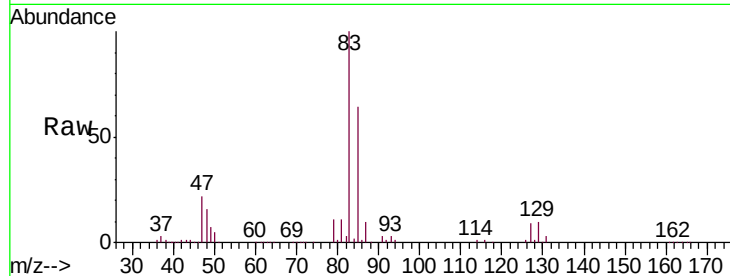
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	405905
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.9	74.9
127	8.5	6.5	9.7

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 52.067 ug/l

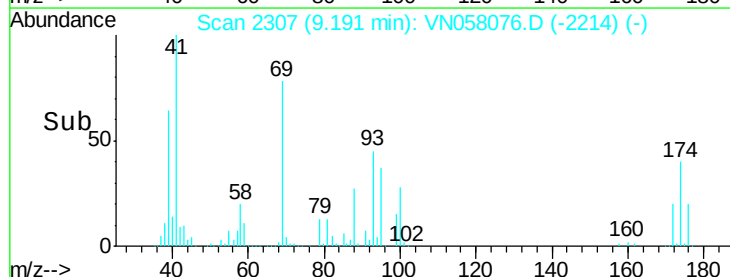
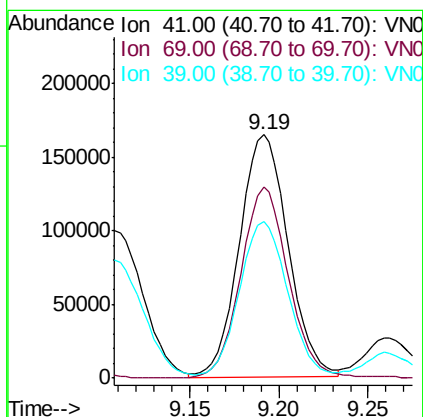
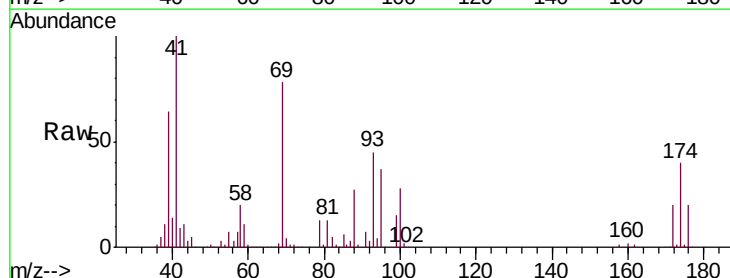
RT: 9.19 min Scan# 2307

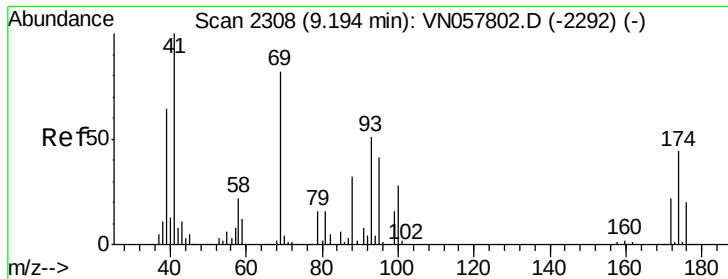
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion:	41	Resp:	314879
Ion Ratio	Lower	Upper	
41	100		
69	77.0	62.7	94.1
39	64.4	52.7	79.1





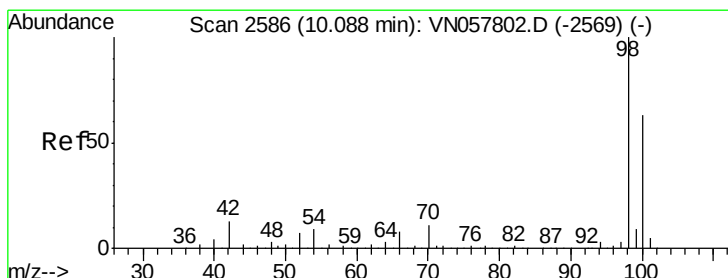
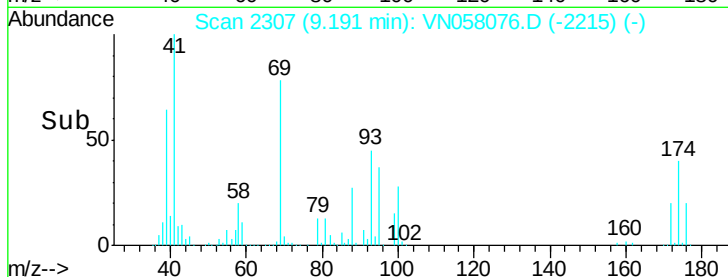
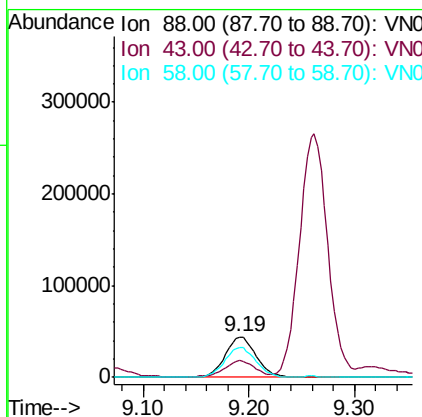
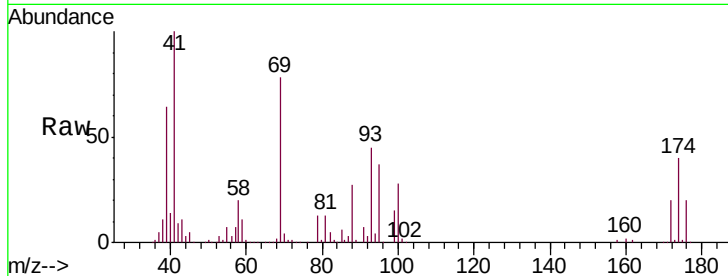
#49
1,4-Dioxane
Concen: 878.838 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.7	28.5	42.7
58	74.3	55.8	83.6

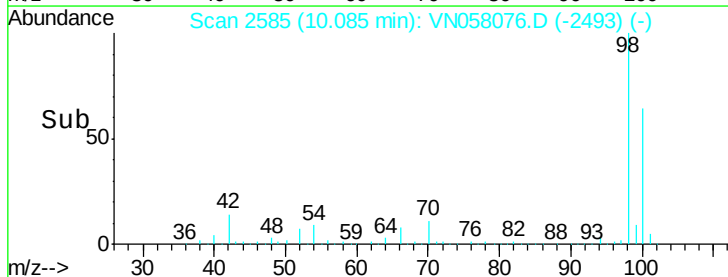
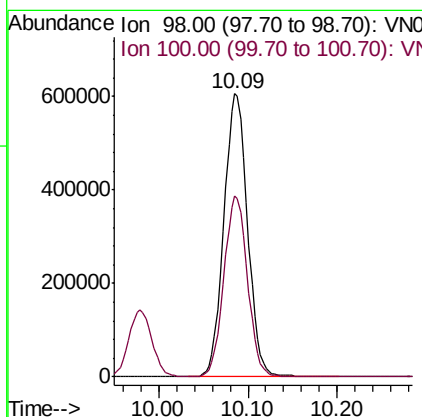
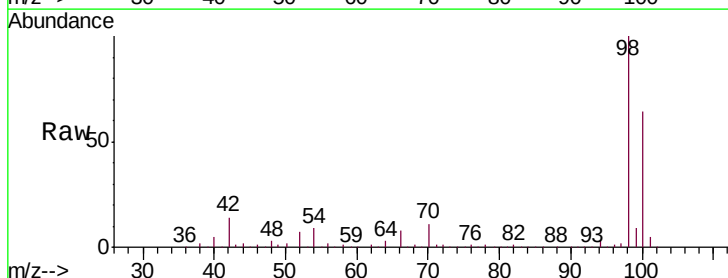
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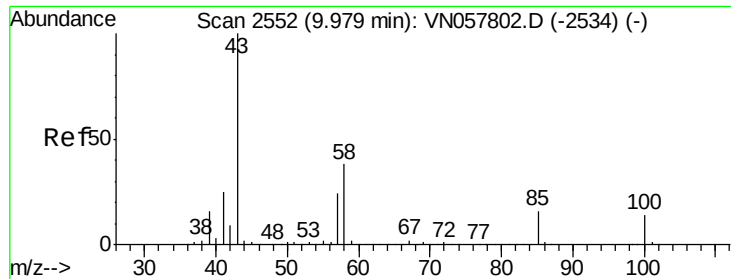
MMDadoda
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#50
Toluene-d8
Concen: 52.534 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.3	75.5





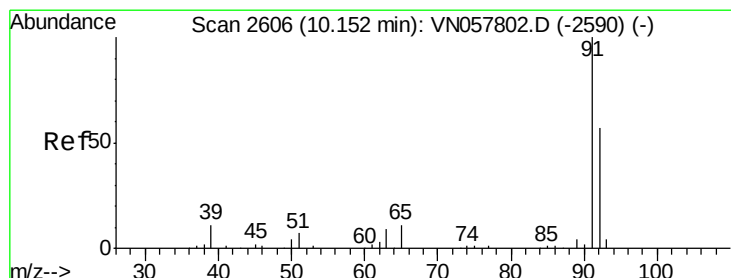
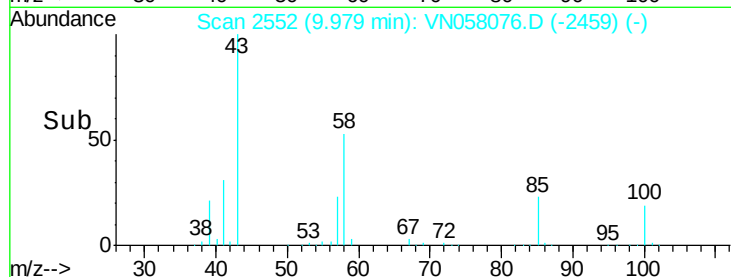
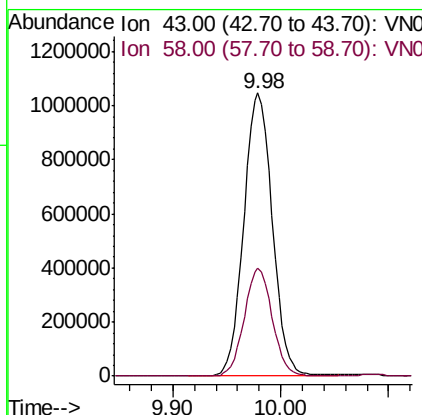
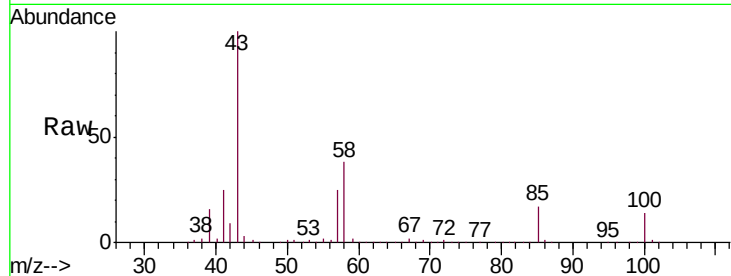
#51
 4-Methyl-2-Pentanone
 Concen: 273.204 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1927466
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.8 44.6

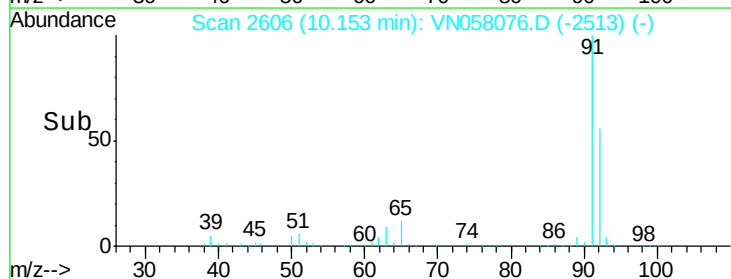
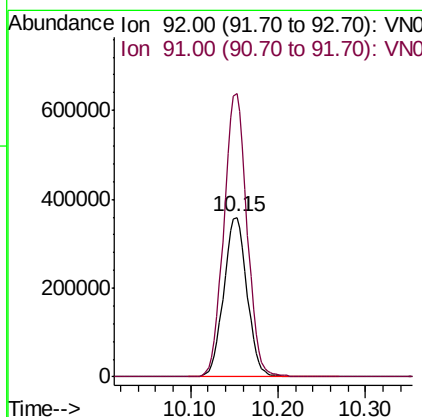
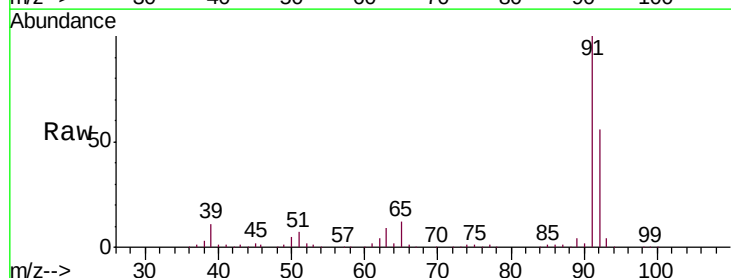
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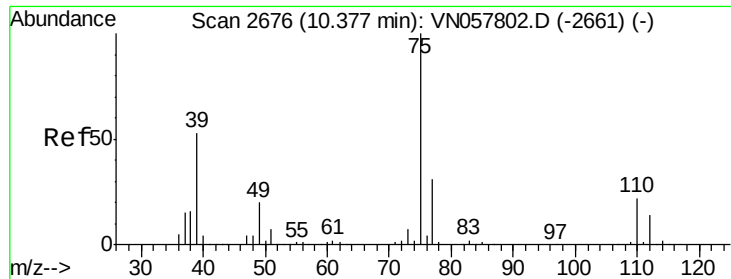
MMDadoda
 9/18/2019 1:56:04 PM



#52
 Toluene
 Concen: 51.212 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion: 92 Resp: 666323
 Ion Ratio Lower Upper
 92 100
 91 176.3 141.0 211.6





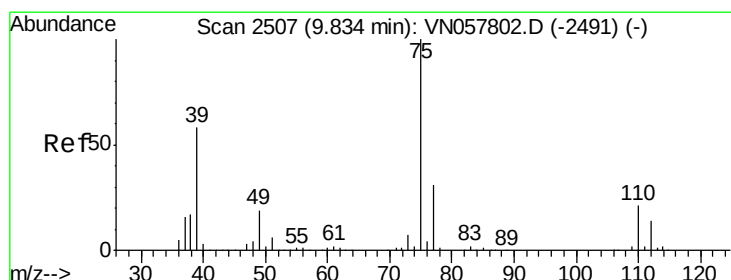
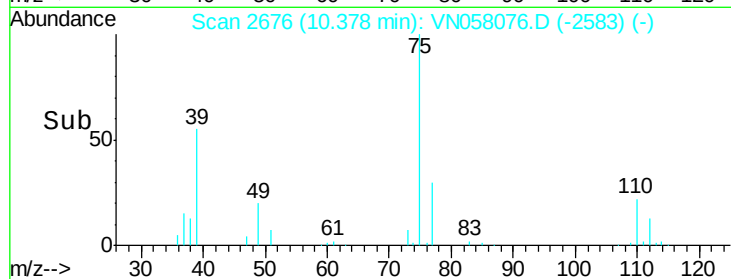
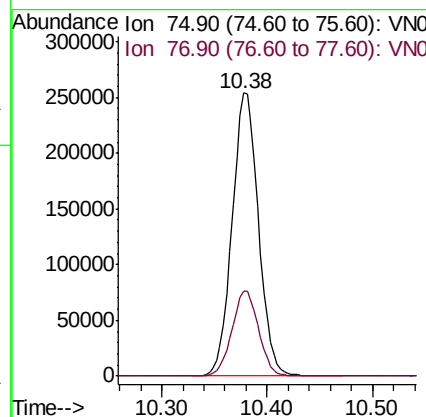
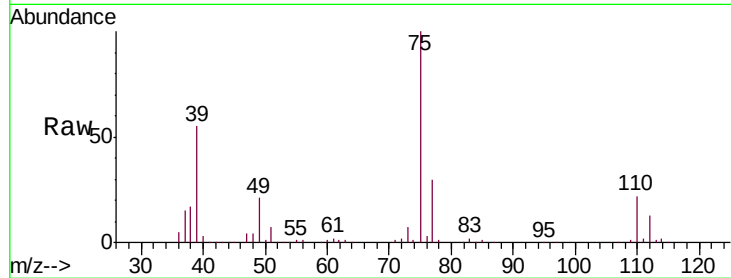
#53
 t-1,3-Dichloropropene
 Concen: 57.380 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 75 Resp: 438296
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.5 36.7

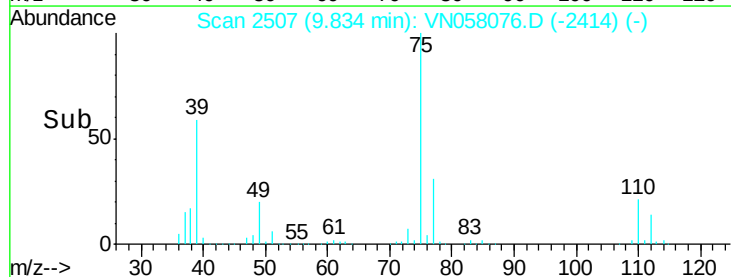
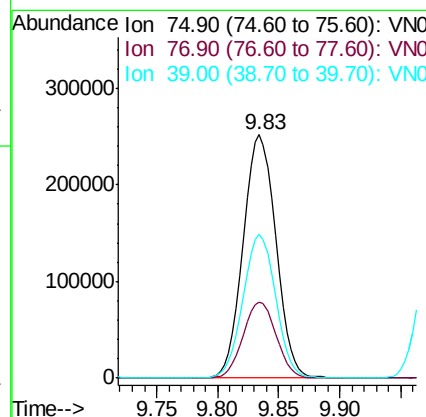
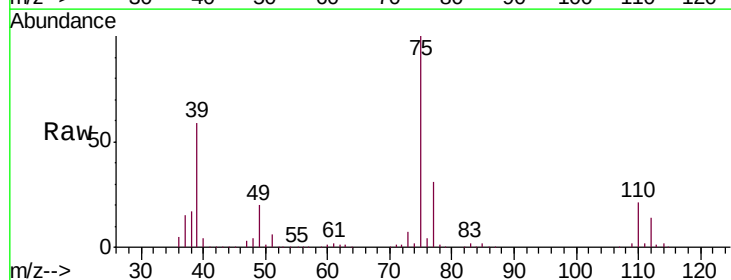
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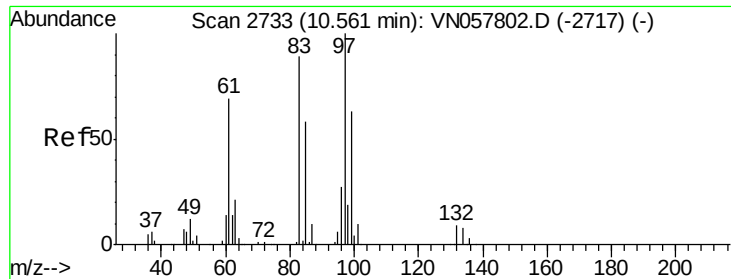
MMDadoda
 9/18/2019 1:56:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 55.434 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion: 75 Resp: 467498
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.8 37.2
 39 59.1 46.2 69.4





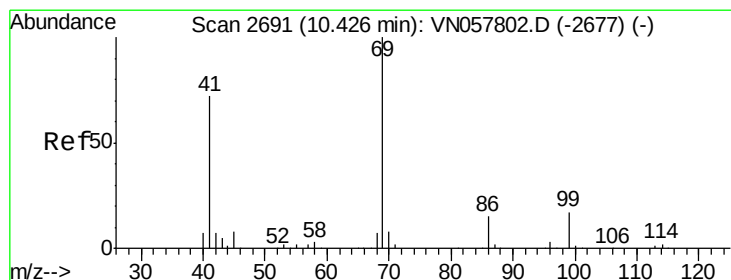
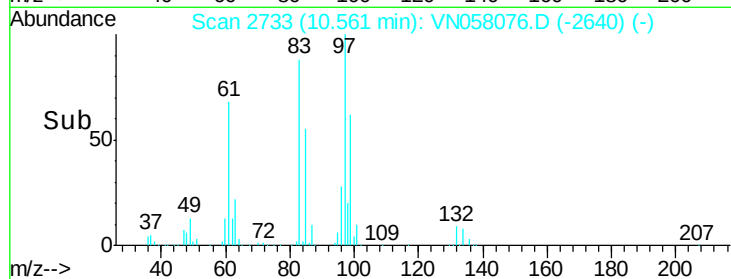
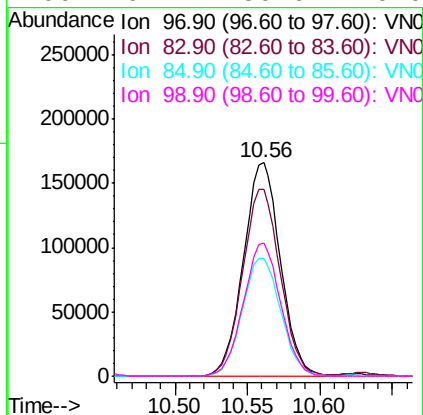
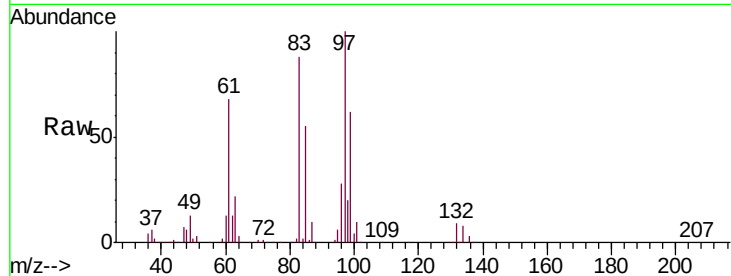
#55
 1,1,2-Trichloroethane
 Concen: 53.527 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.8	106.2
85	54.9	46.0	69.0
99	62.2	50.6	76.0

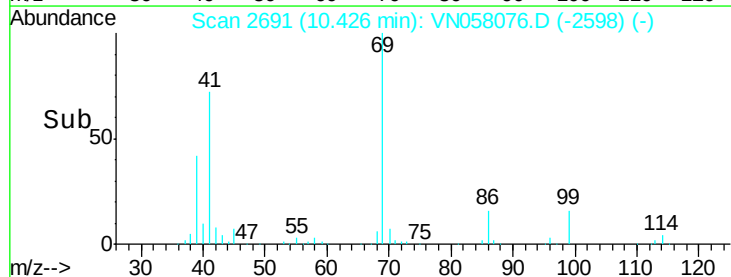
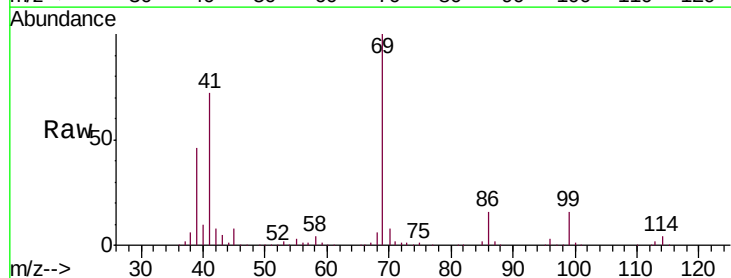
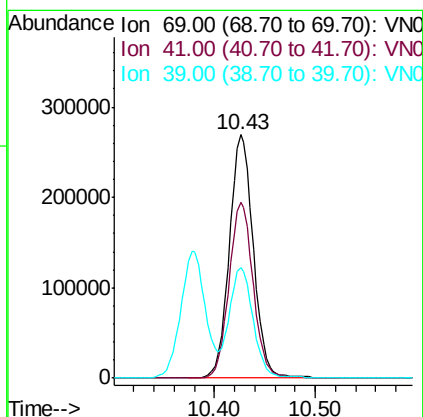
Manual Integrations
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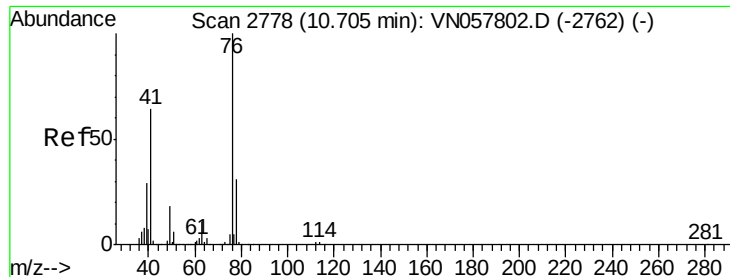
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 53.791 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.4	56.7	85.1
39	45.3	36.3	54.5





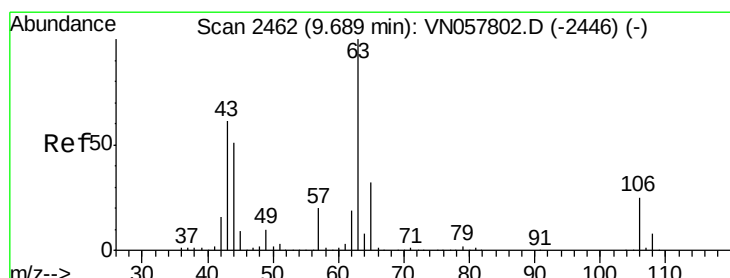
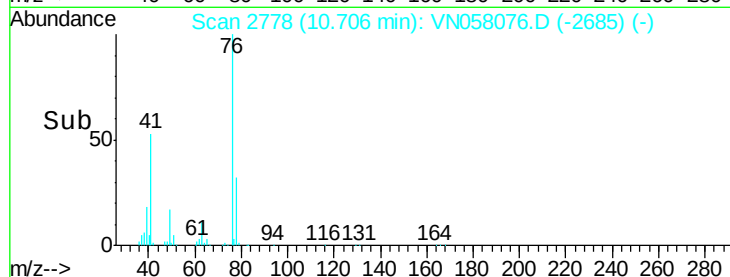
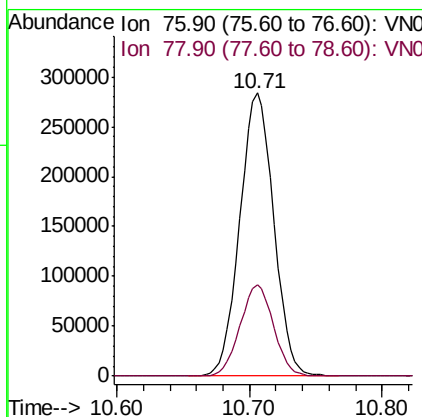
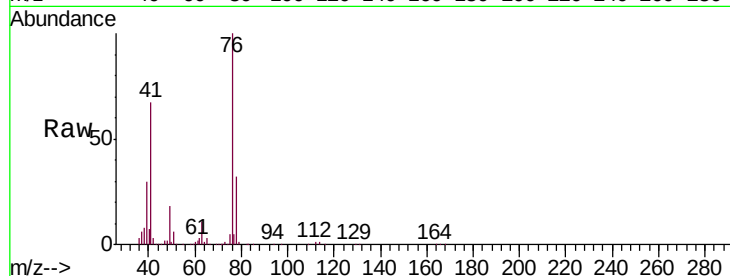
#57
 1,3-Dichloropropane
 Concen: 53.031 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 503701
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.2

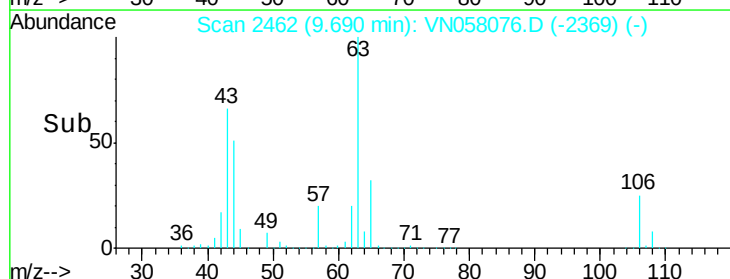
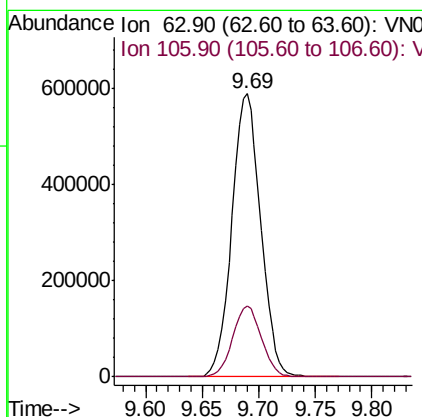
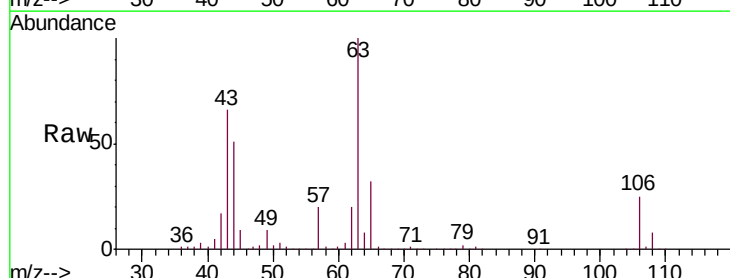
Manual Integrations
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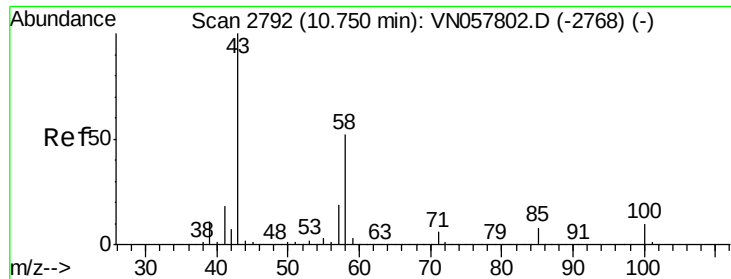
MMDadoda
 9/18/2019 1:56:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.779 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion: 63 Resp: 1046758
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.0 30.0





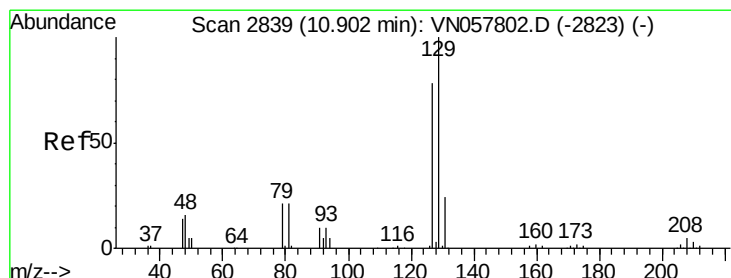
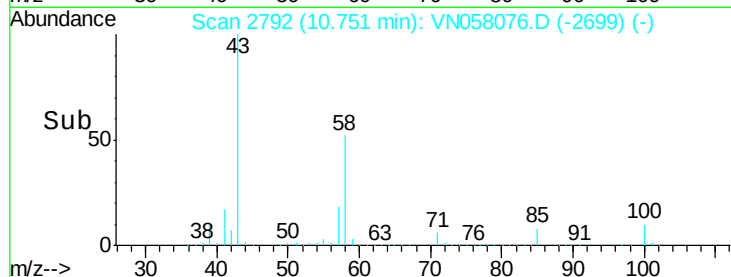
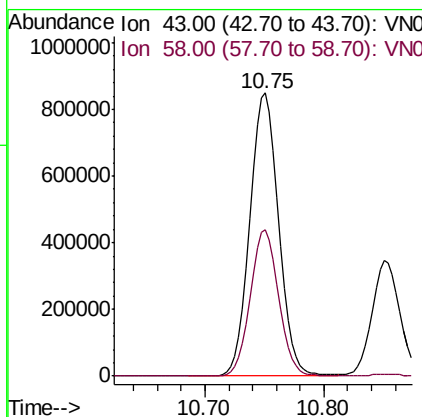
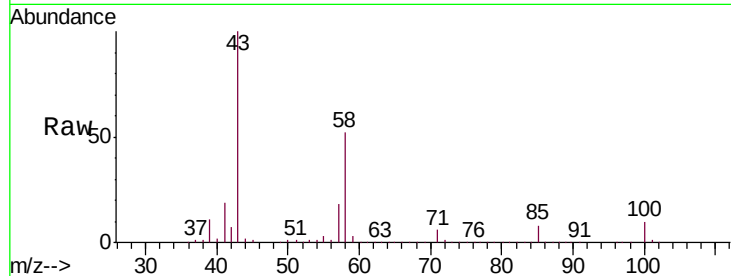
#59
2-Hexanone
Concen: 269.170 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1423380
Ion Ratio Lower Upper
43 100
58 51.1 25.6 76.8

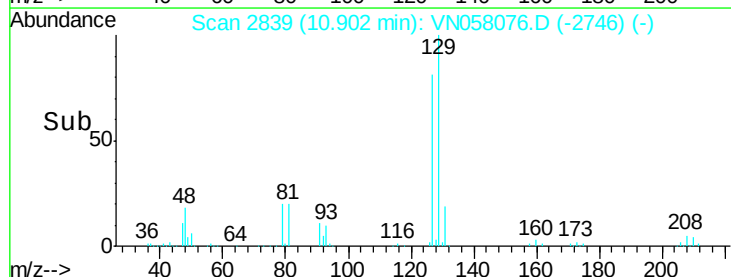
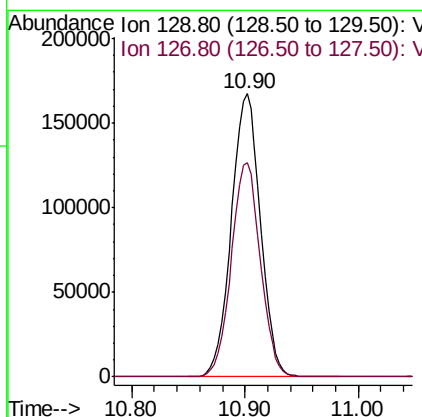
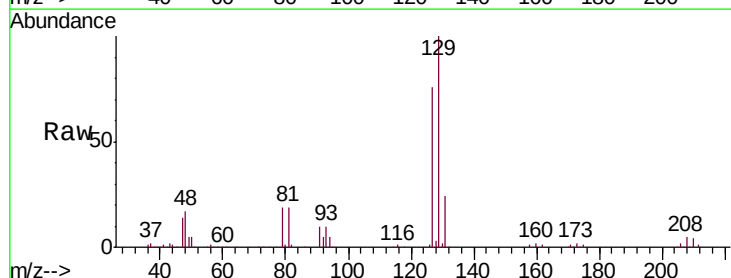
Manual Integrations
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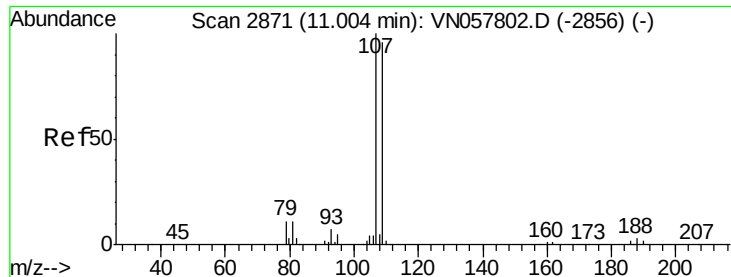
MMDadoda
9/18/2019 1:56:04 PM



#60
Dibromochloromethane
Concen: 58.436 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 129 Resp: 299069
Ion Ratio Lower Upper
129 100
127 75.8 38.6 116.0





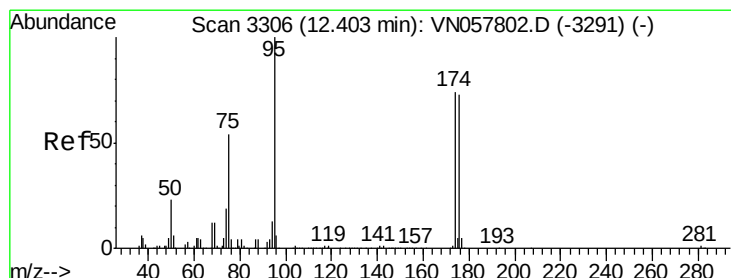
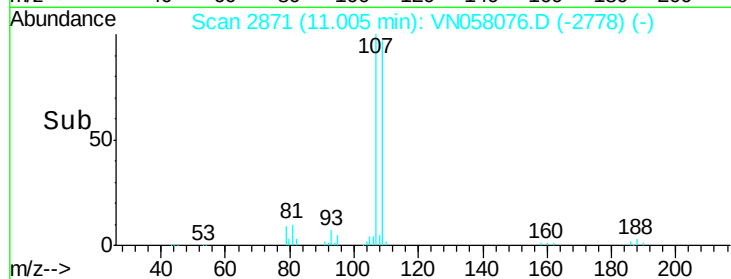
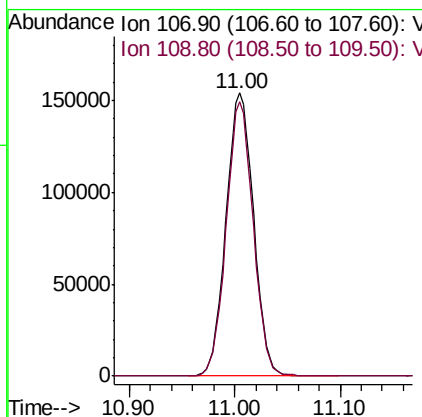
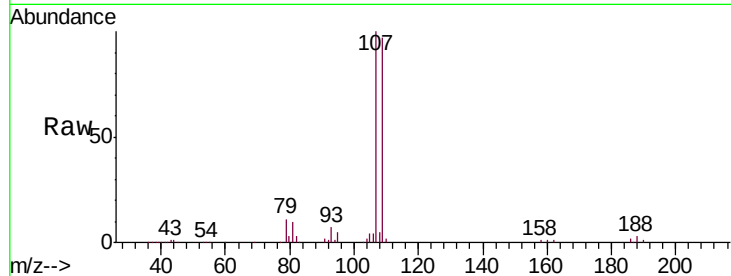
#61
 1,2-Dibromoethane
 Concen: 53.352 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.3	112.9

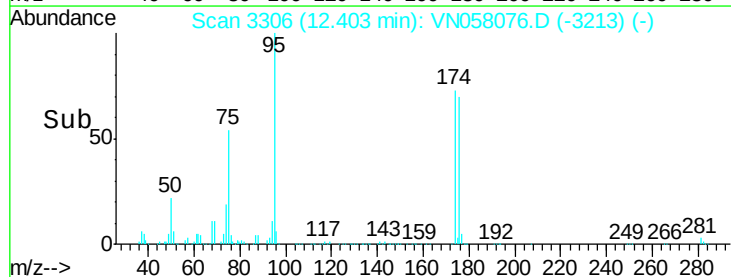
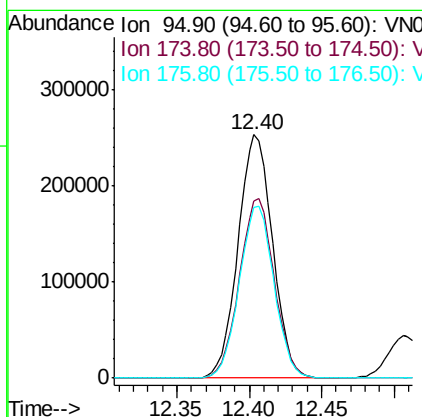
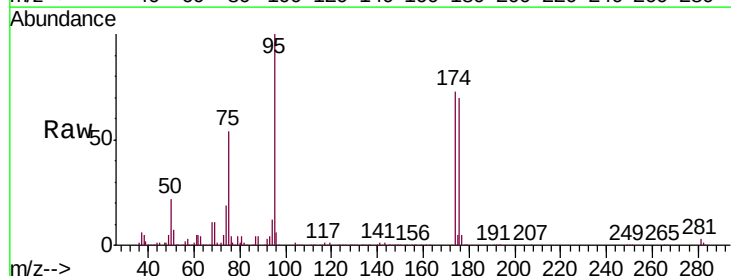
Manual Integrations
 APPROVED

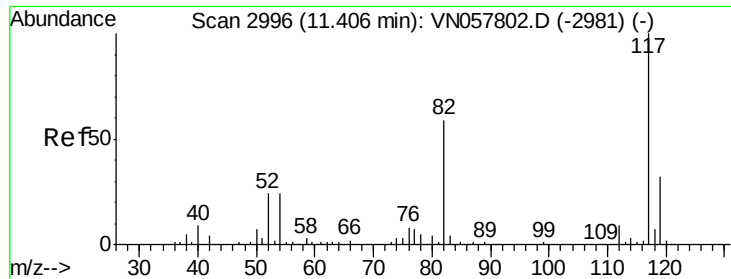
MMDadoda
 9/18/2019 1:56:04 PM



#62
 4-Bromofluorobenzene
 Concen: 51.847 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	150.2
176	71.0	0.0	146.0





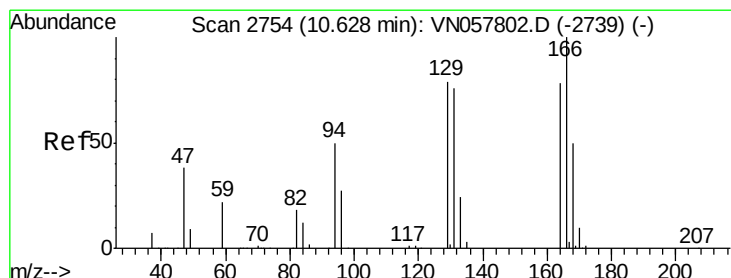
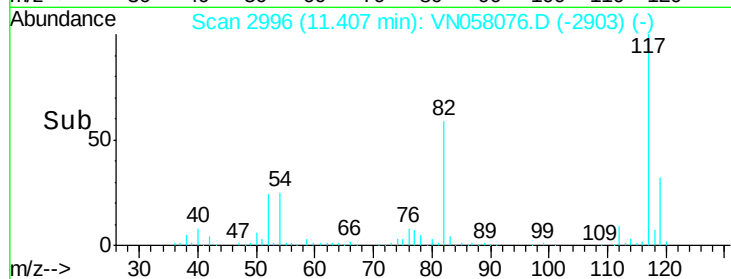
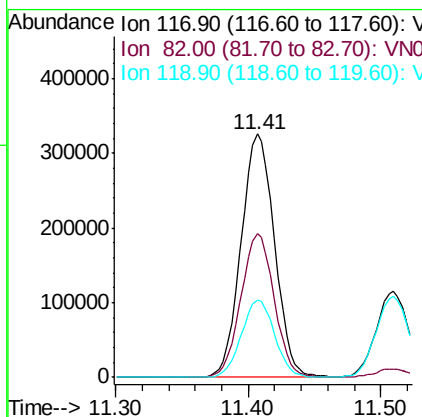
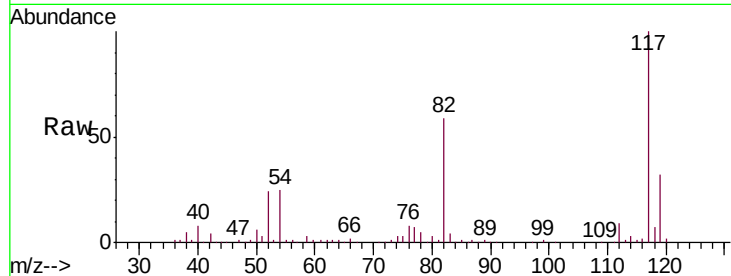
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	571928		
82	58.9	47.2	70.8	
119	31.6	25.3	37.9	

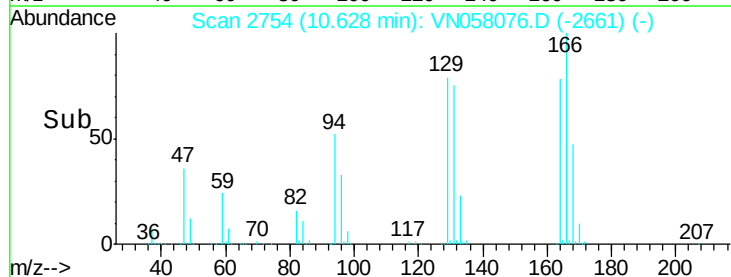
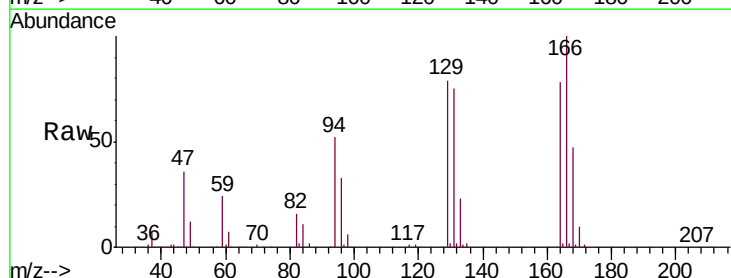
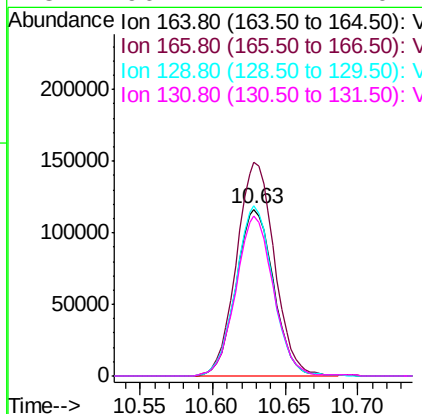
Manual Integrations
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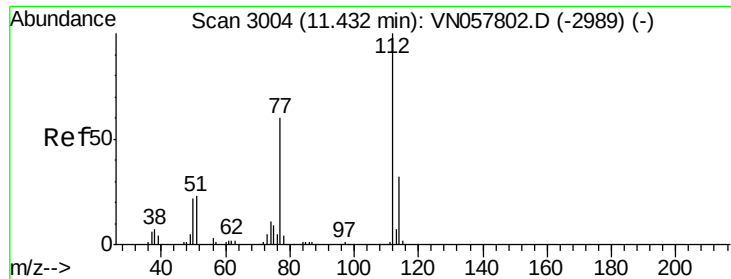
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#64
Tetrachloroethene
Concen: 49.692 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	209840		
166	128.0	102.2	153.2	
129	101.8	80.8	121.2	
131	96.1	77.4	116.2	





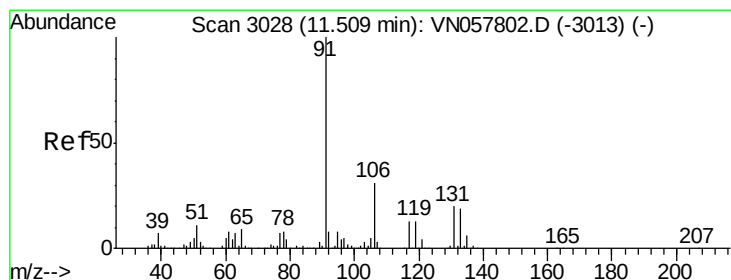
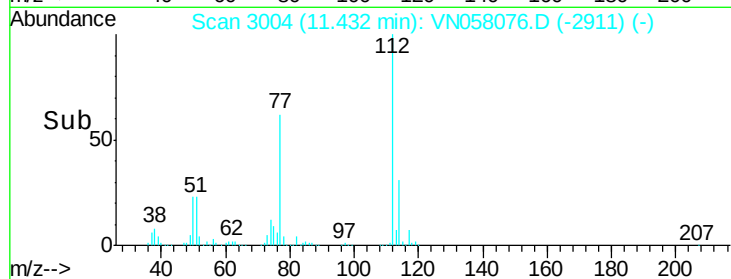
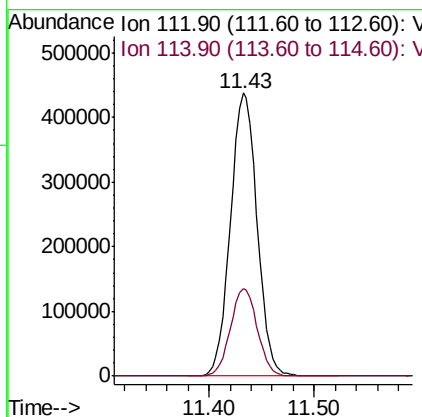
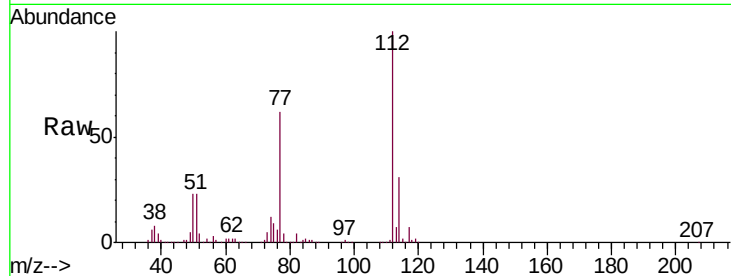
#65
Chlorobenzene
Concen: 51.050 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.2	37.8

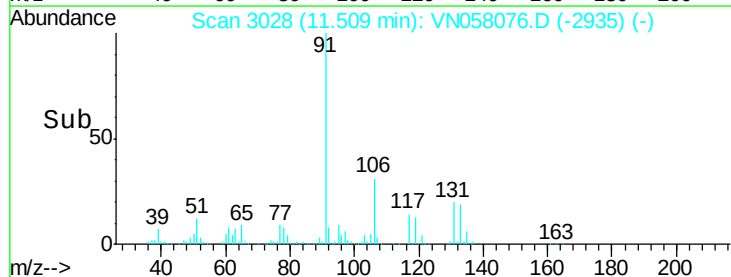
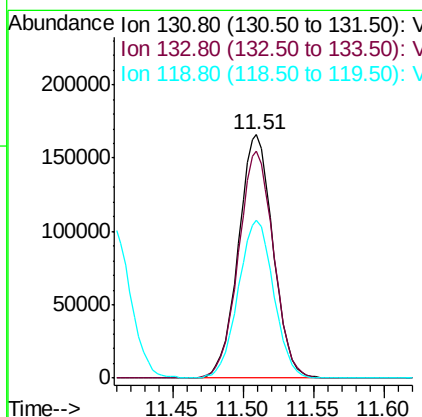
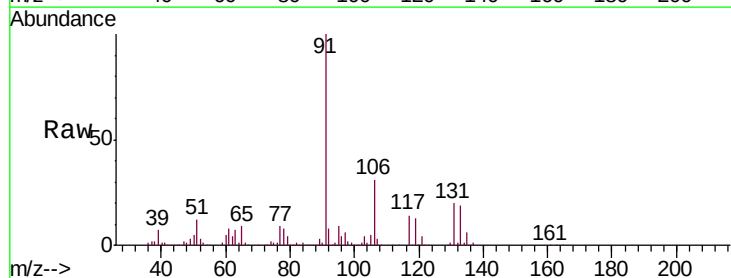
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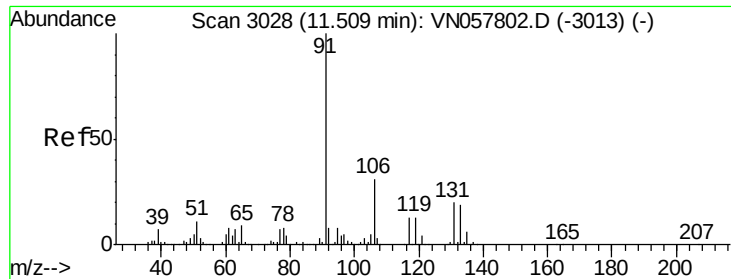
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.856 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.1	141.3
119	66.3	33.3	99.8





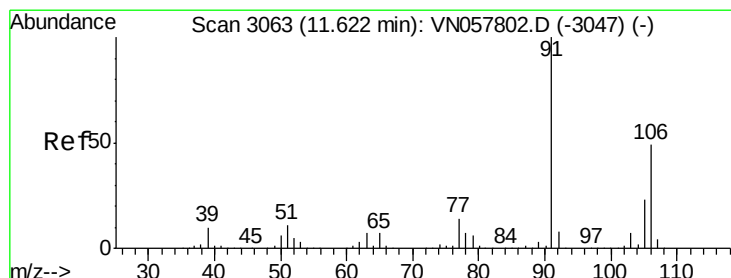
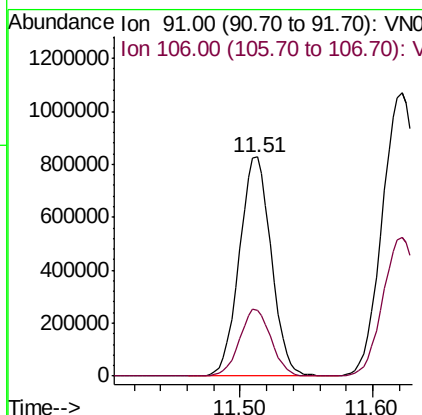
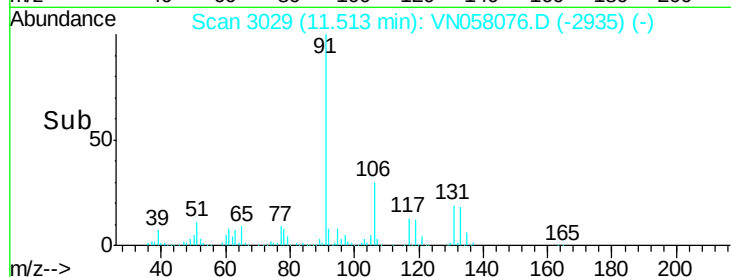
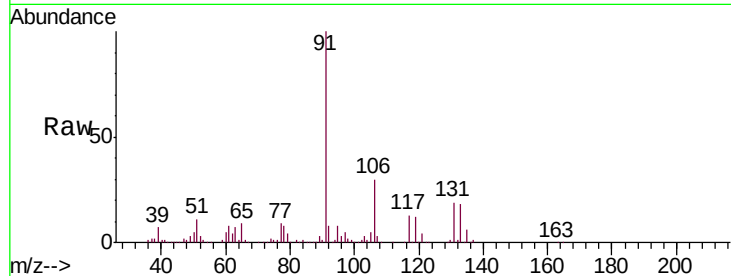
#67
Ethyl Benzene
Concen: 52.637 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1380753
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

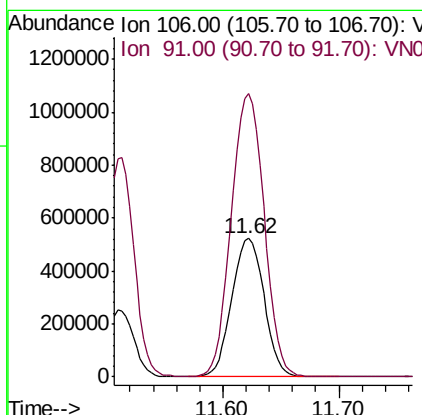
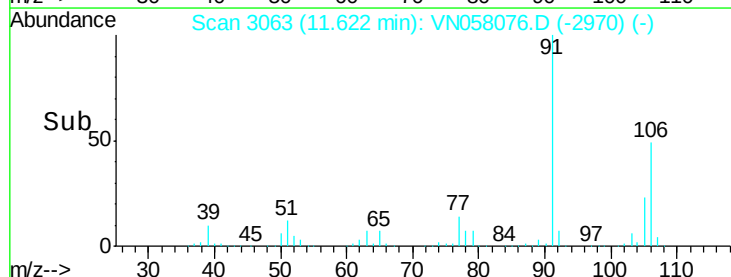
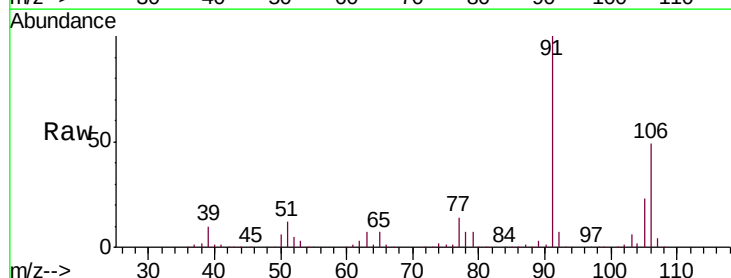
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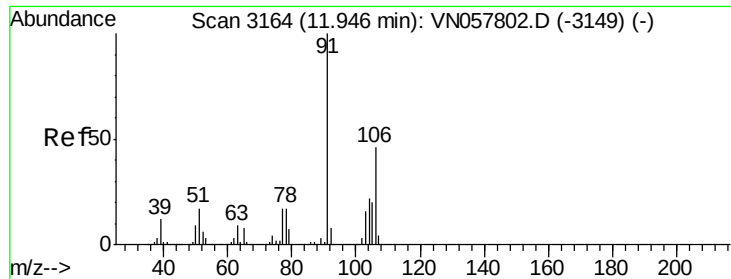
MMDadoda
9/18/2019 1:56:04 PM



#68
m/p-Xylenes
Concen: 105.313 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion: 106 Resp: 1011911
Ion Ratio Lower Upper
106 100
91 208.0 165.8 248.6





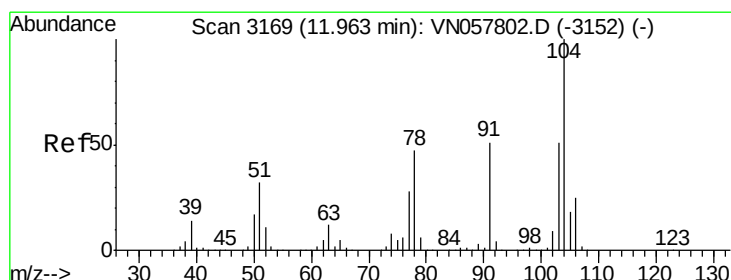
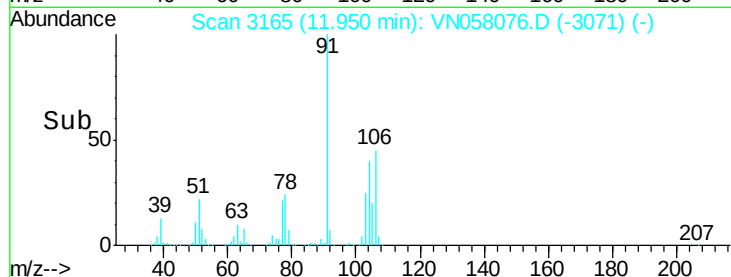
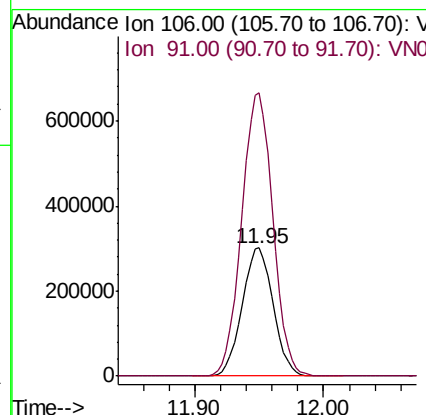
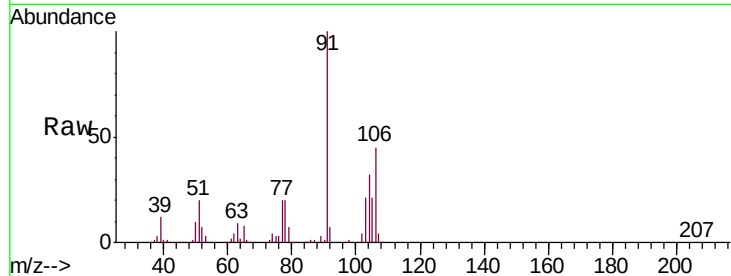
#69
o-Xylene
Concen: 52.673 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 503151
Ion Ratio Lower Upper
106 100
91 222.6 108.7 326.1

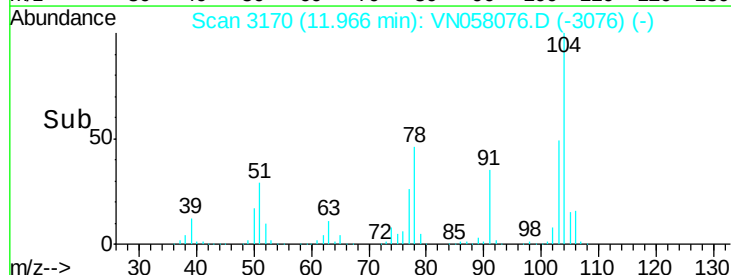
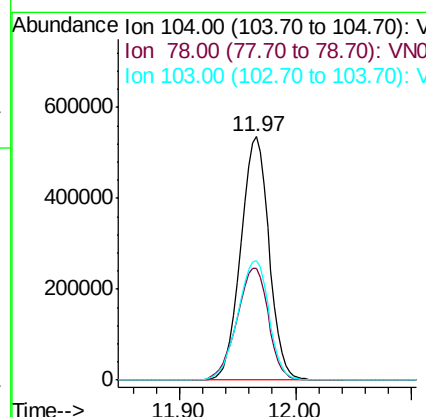
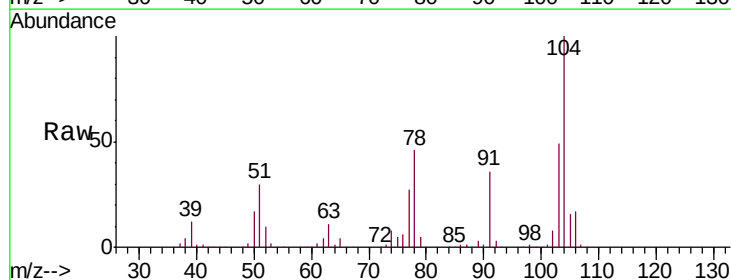
Manual Integrations
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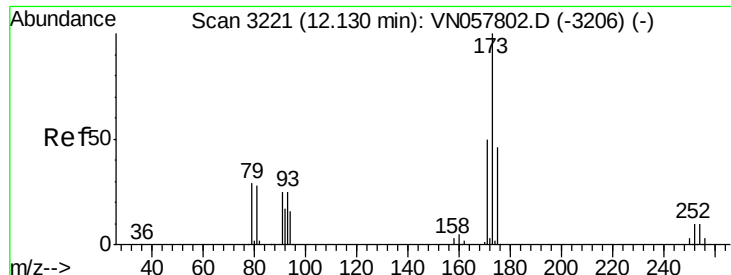
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#70
Styrene
Concen: 54.918 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion:104 Resp: 902822
Ion Ratio Lower Upper
104 100
78 51.7 41.3 61.9
103 54.4 43.7 65.5





#71

Bromoform

Concen: 58.328 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 188873

Ion Ratio Lower Upper

173 100

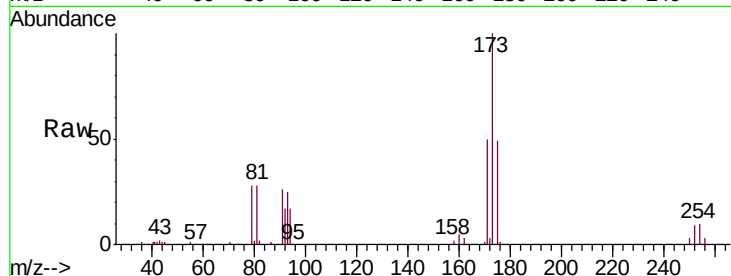
175 48.3 23.5 70.6

254 0.1 0.1 0.1#

Manual Integrations
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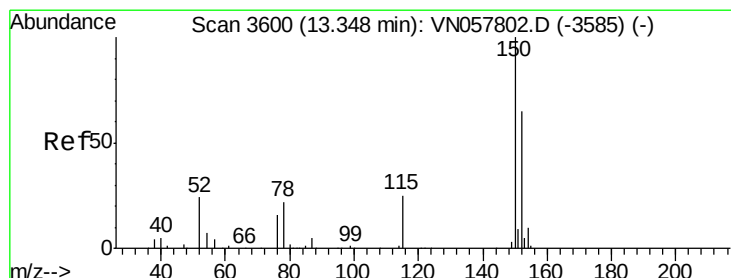
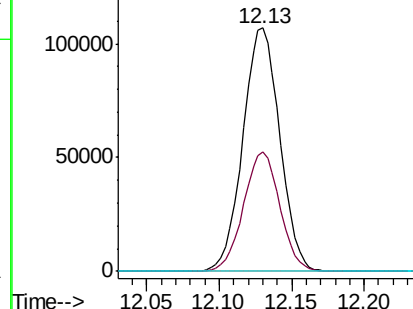
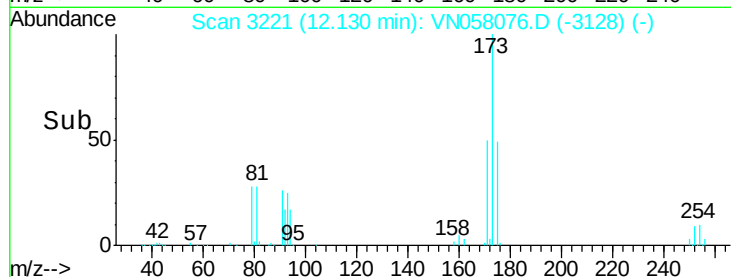
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

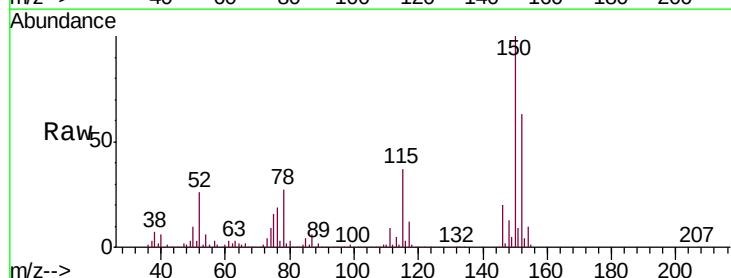
Tgt Ion:152 Resp: 349155

Ion Ratio Lower Upper

152 100

115 60.6 30.3 91.0

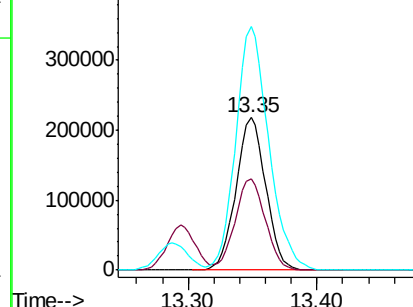
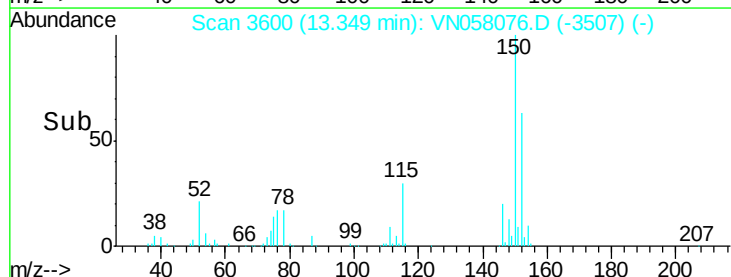
150 176.8 0.0 352.4

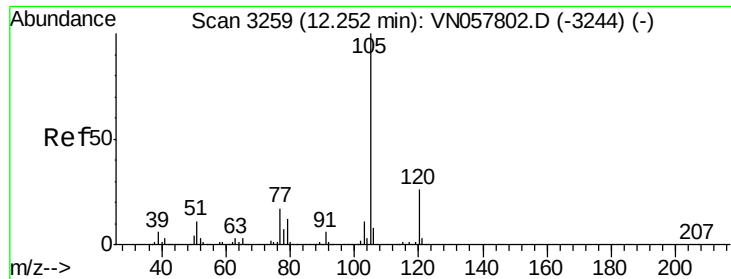


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.979 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1408274

Ion Ratio Lower Upper

105 100

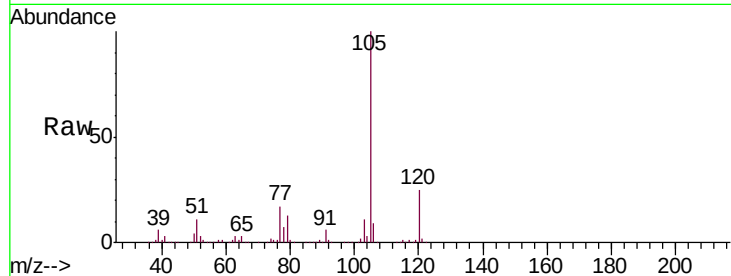
120 25.7 12.8 38.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

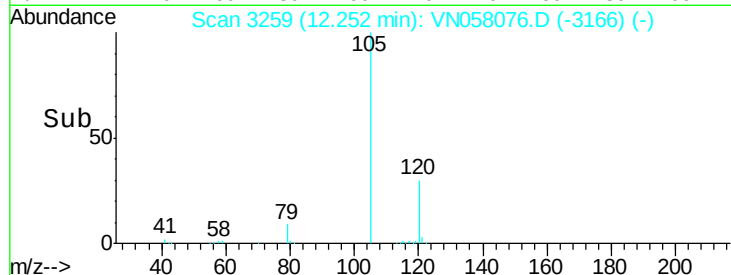
600000

400000

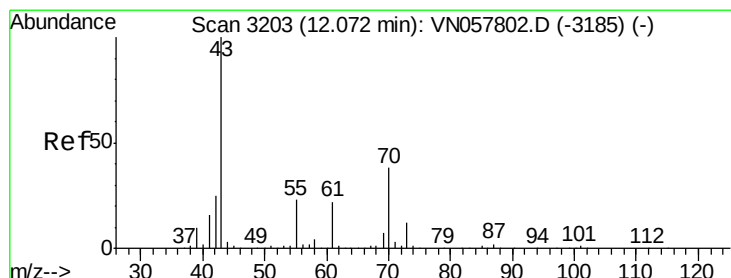
200000

0

12.15 12.20 12.25 12.30



Time-->



#74

N-ethyl acetate

Concen: 50.347 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion: 43 Resp: 593649

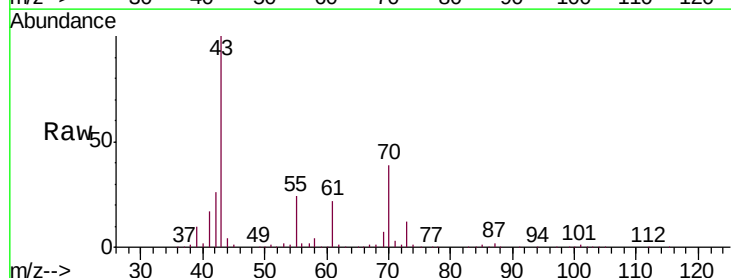
Ion Ratio Lower Upper

43 100

70 39.1 30.6 45.8

55 24.0 18.6 27.8

61 22.5 17.4 26.2



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

600000

500000

400000

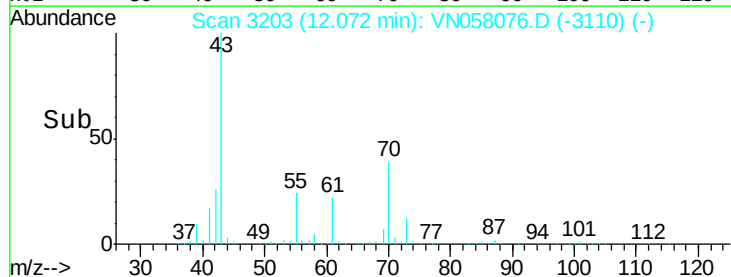
300000

200000

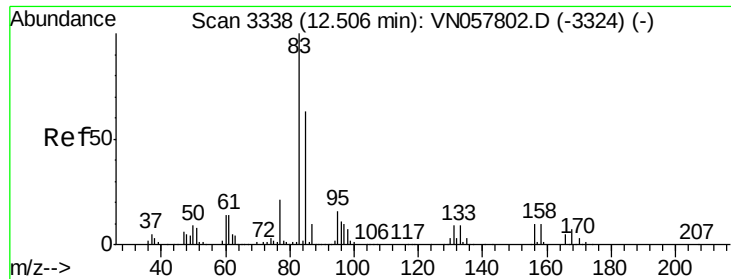
100000

0

12.00 12.10



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 49.757 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

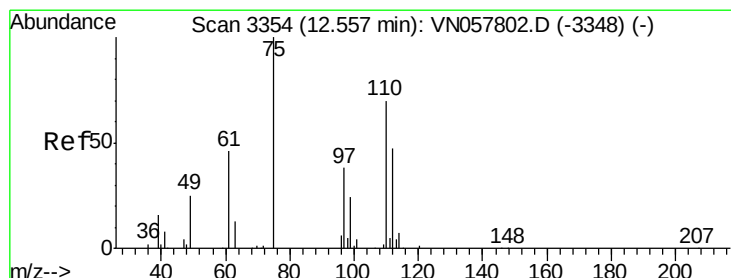
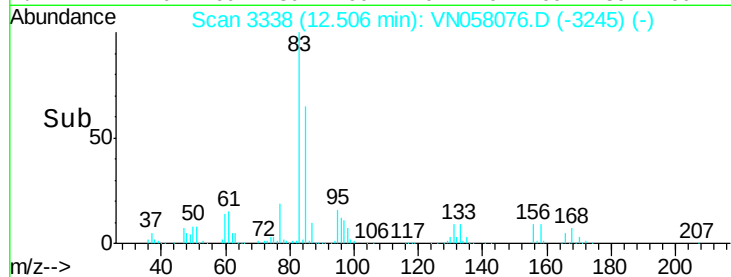
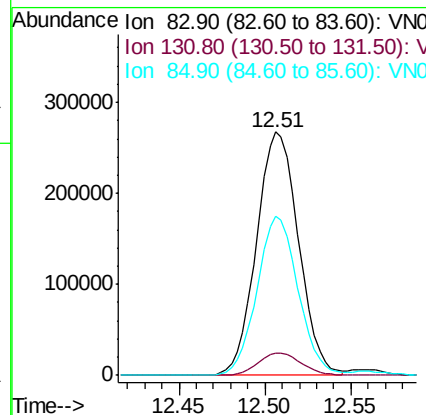
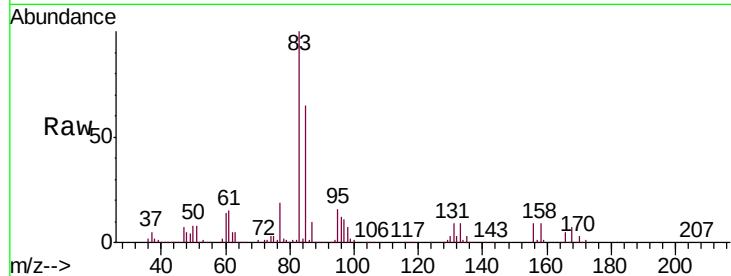
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	453896
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.8	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.373 ug/l m

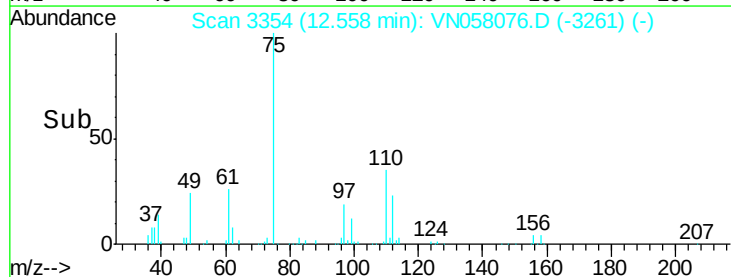
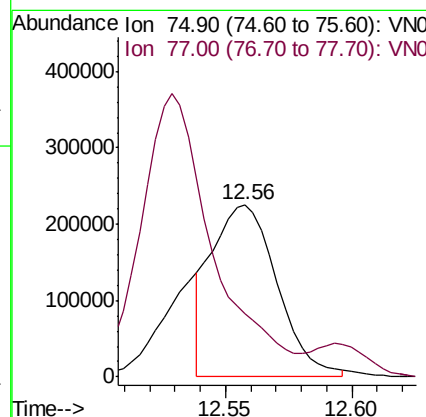
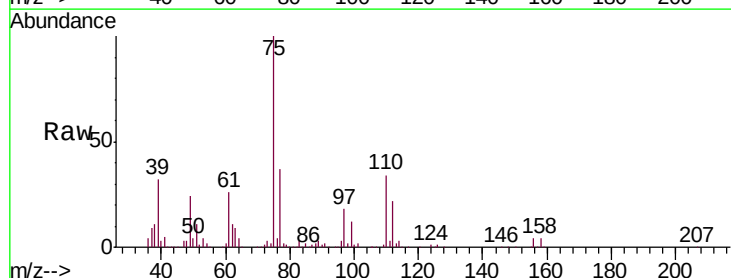
RT: 12.56 min Scan# 3354

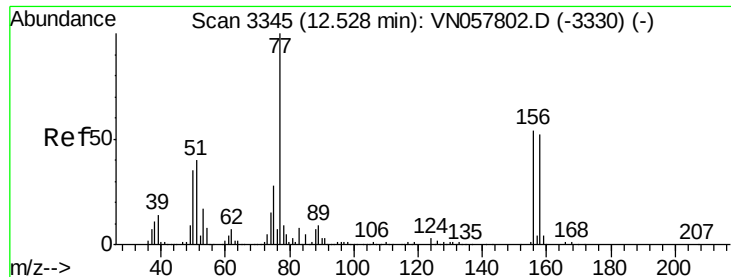
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion:	75	Resp:	405772
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.119 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

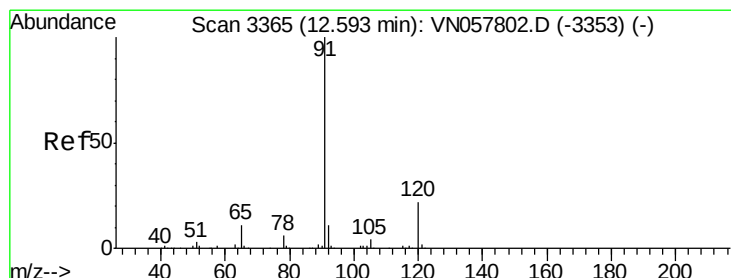
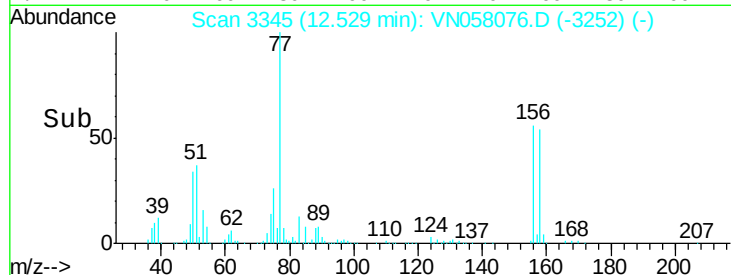
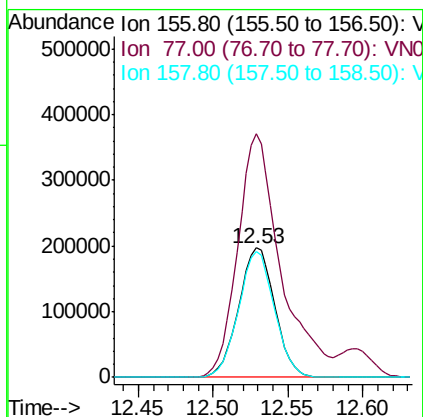
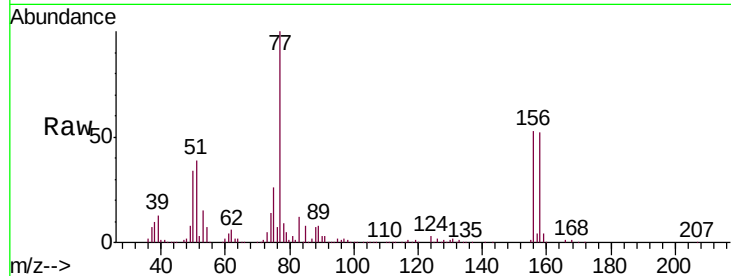
ClientSampleId :

VSTDCCC050

Tgt Ion	Resp	Lower	Upper
156	331794		
156	100		
77	223.8	113.7	341.1
158	96.7	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 53.757 ug/l

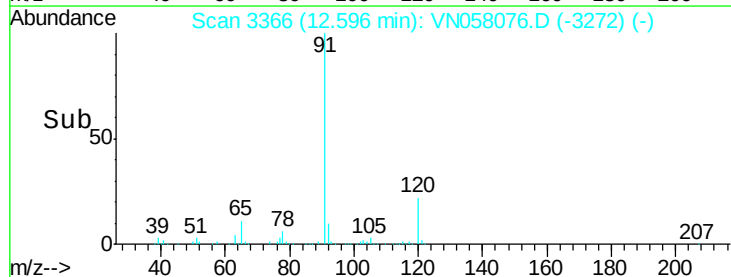
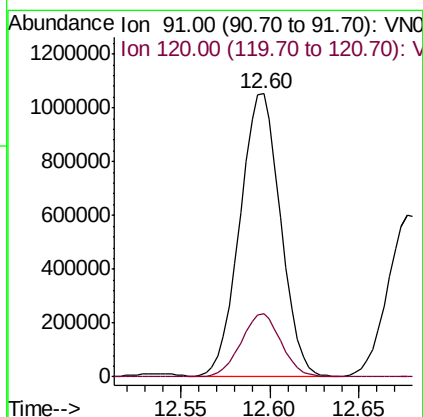
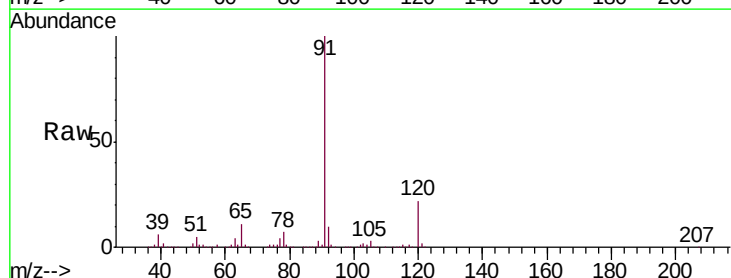
RT: 12.60 min Scan# 3366

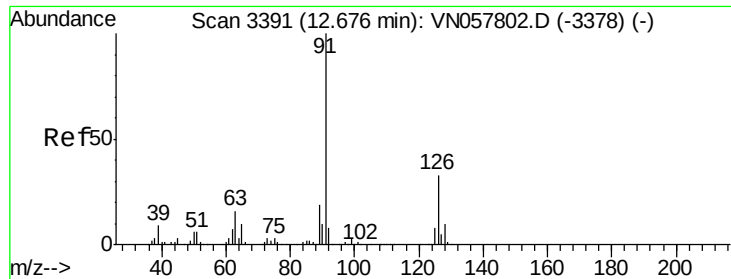
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion	Resp	Lower	Upper
91	1672447		
91	100		
120	22.0	11.1	33.1





#79

2-Chlorotoluene

Concen: 50.446 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 991944

Ion Ratio Lower Upper

91 100

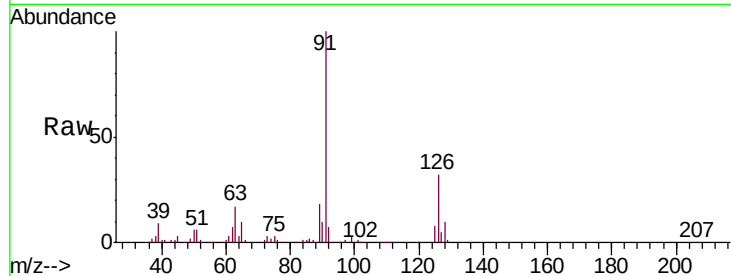
126 32.6 16.4 49.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058076.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN058076.D (-3391) (-)

800000

600000

400000

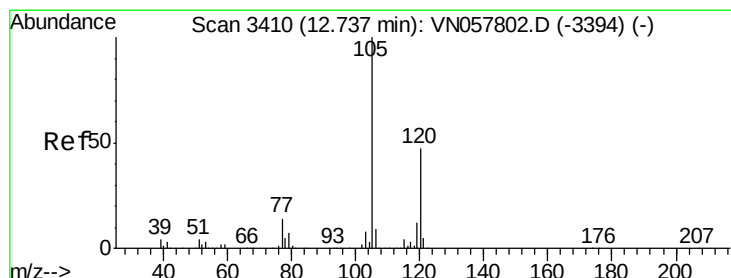
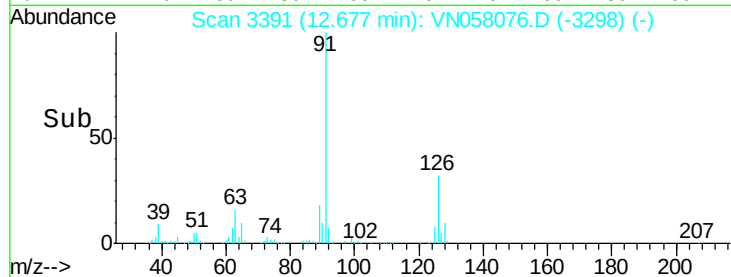
200000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.389 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058076.D

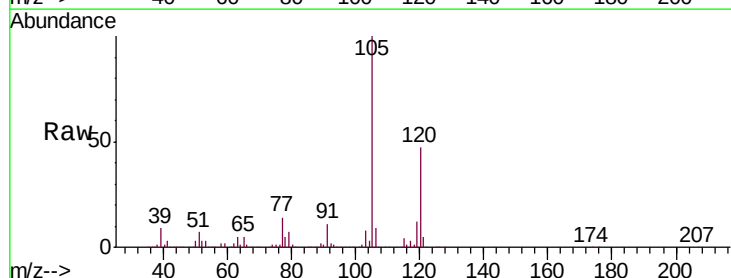
Acq: 15 Sep 2019 8:07

Tgt Ion: 105 Resp: 1222184

Ion Ratio Lower Upper

105 100

120 46.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058076.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058076.D (-3410) (-)

800000

600000

400000

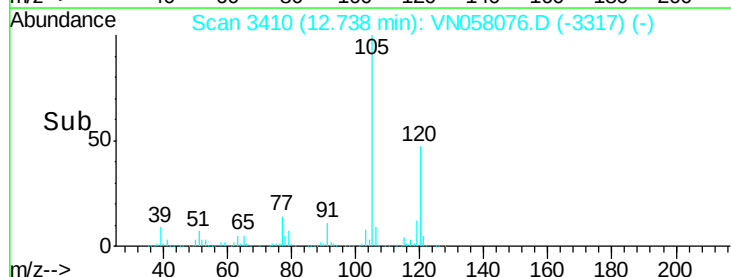
200000

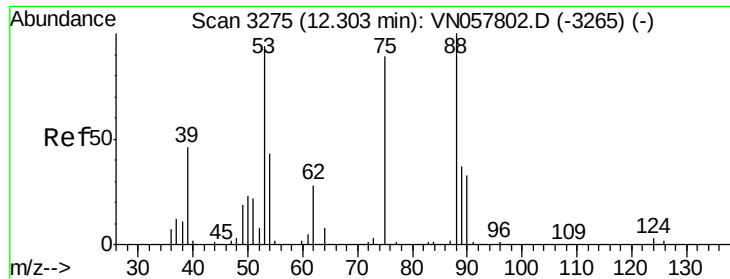
0

12.70

12.80

Time-->





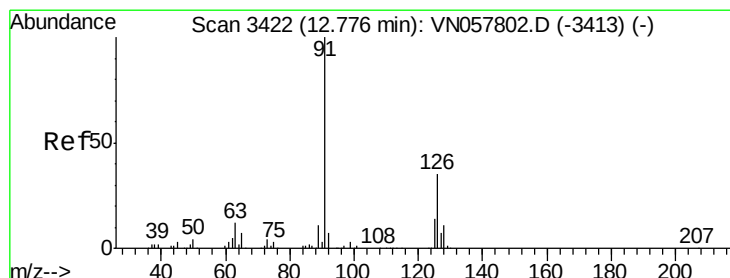
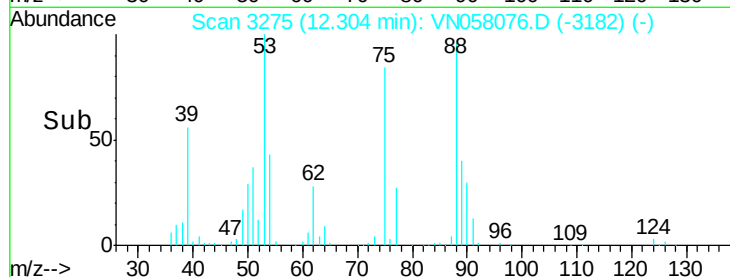
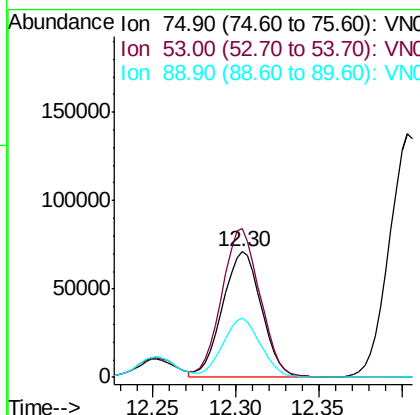
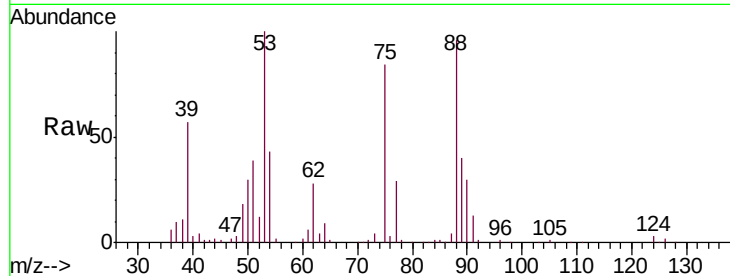
#81
trans-1,4-Dichloro-2-butene
Concen: 51.900 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	115.8	88.4	132.6
89	46.1	35.3	52.9

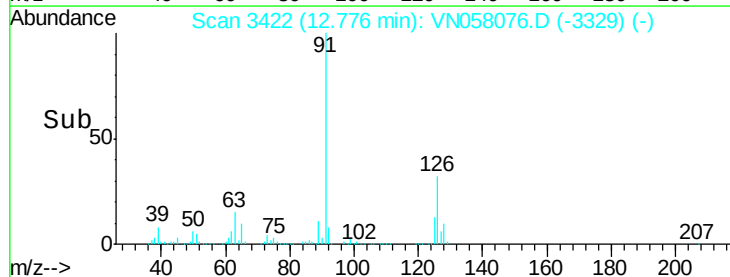
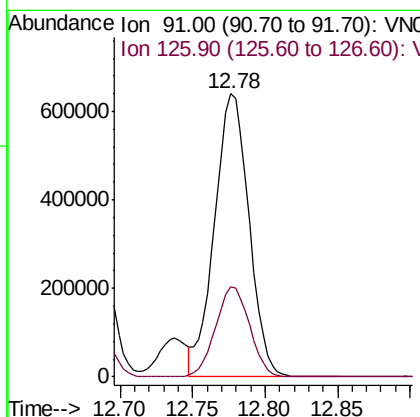
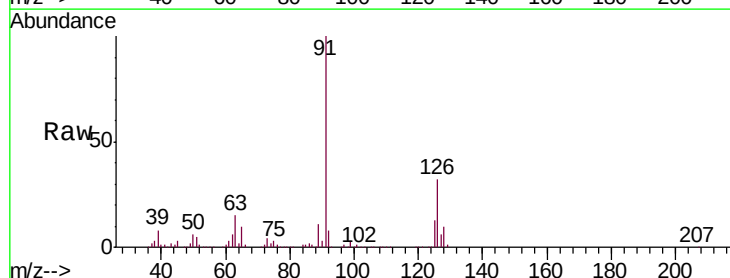
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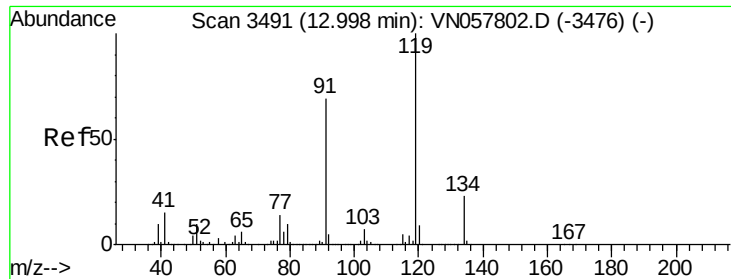
MMDadoda
9/18/2019 1:56:04 PM



#82
4-Chlorotoluene
Concen: 52.033 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058076.D
Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.0	48.0





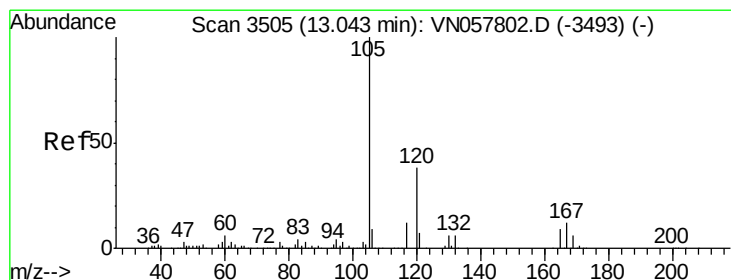
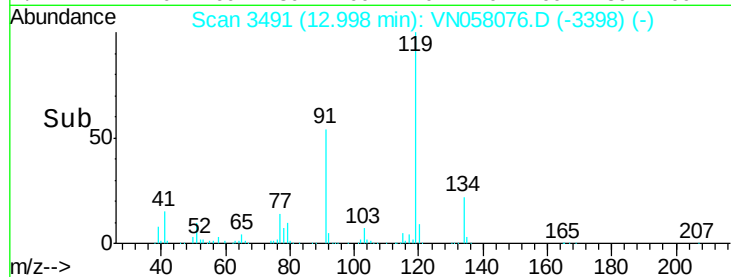
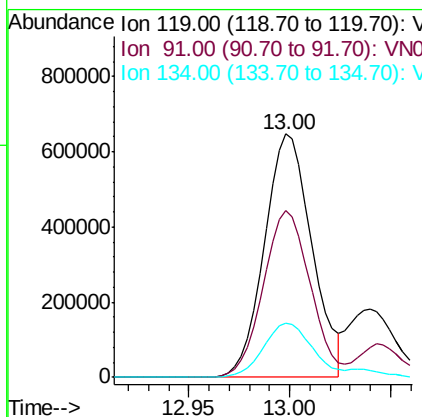
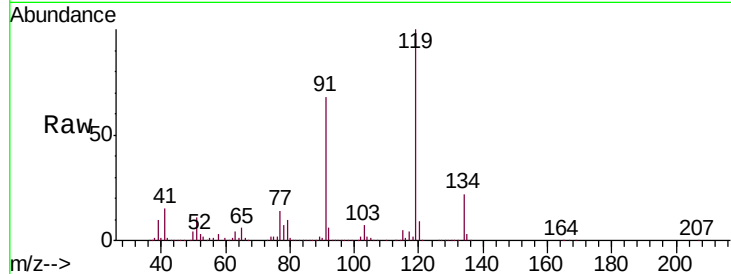
#83
 tert-Butylbenzene
 Concen: 52.054 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1059252
 Ion Ratio Lower Upper
 119 100
 91 68.0 33.6 100.8
 134 22.9 11.7 35.0

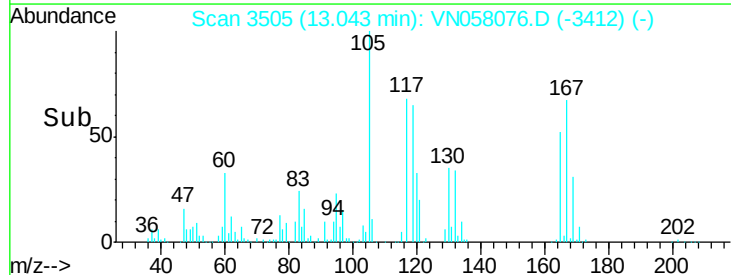
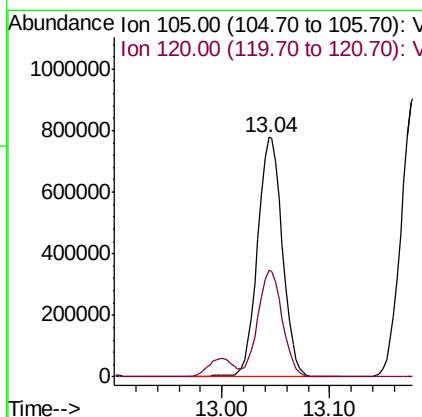
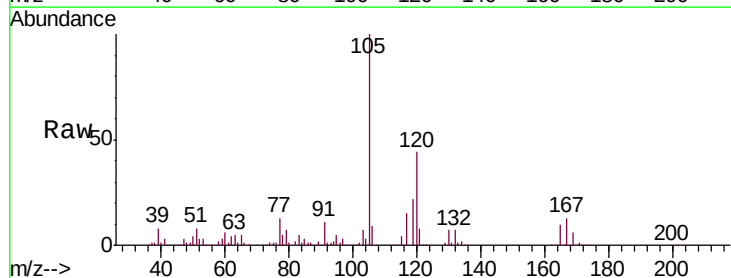
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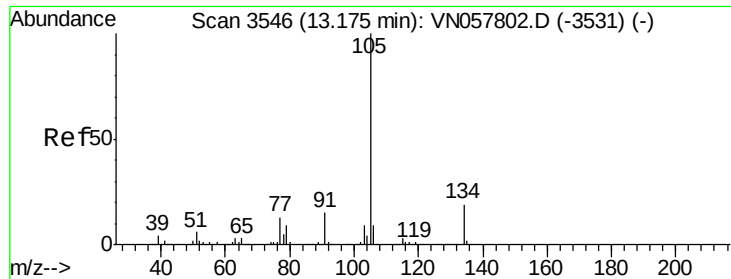
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.432 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion:105 Resp: 1243171
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.4 67.2





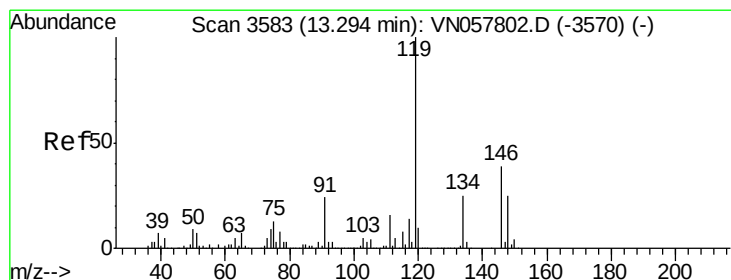
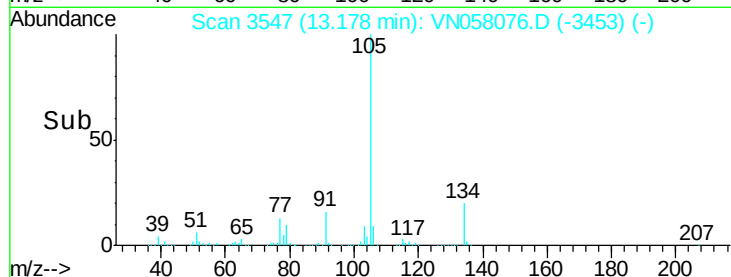
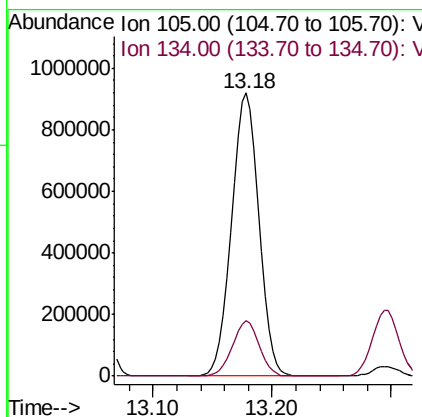
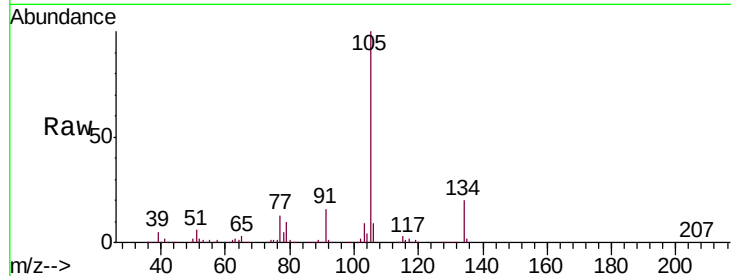
#85
 sec-Butylbenzene
 Concen: 54.005 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion:105 Resp: 1456570
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.6 28.6

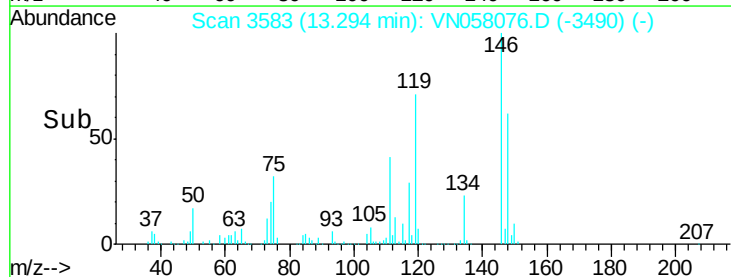
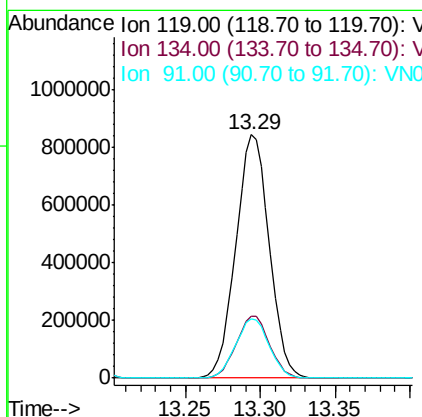
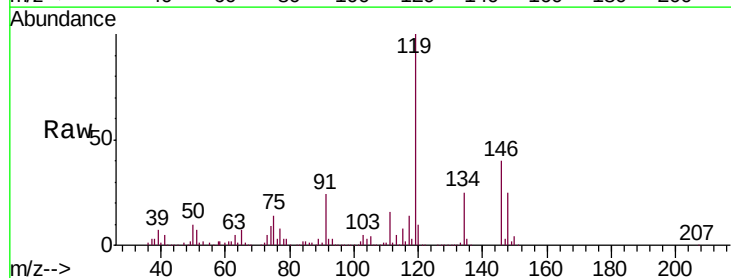
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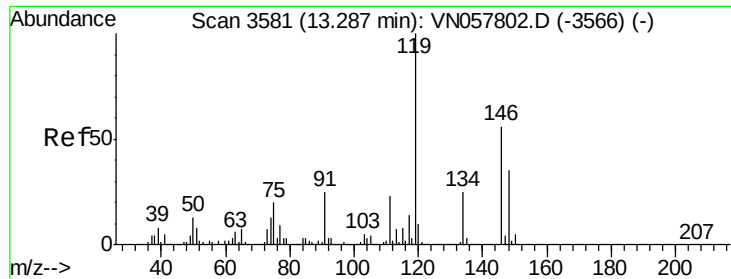
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#86
 p-Isopropyltoluene
 Concen: 54.921 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion:119 Resp: 1305172
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 24.7 12.3 36.8





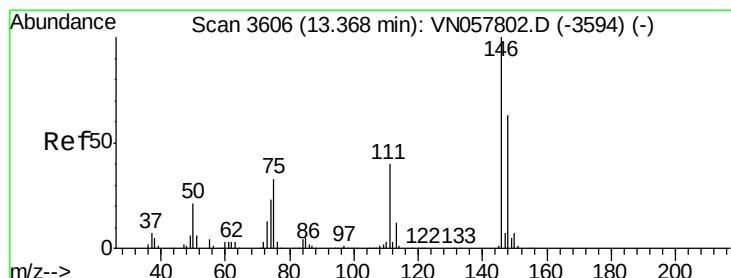
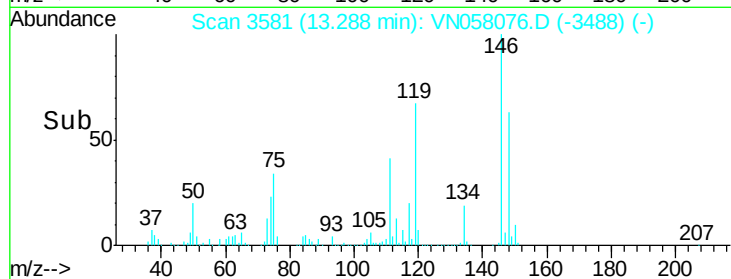
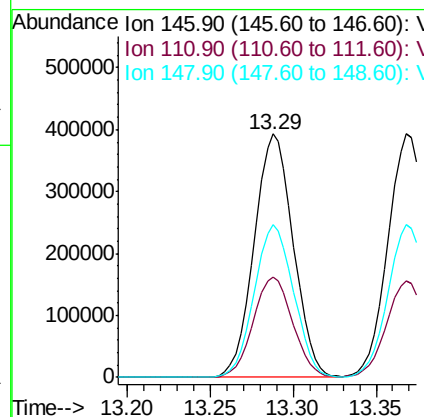
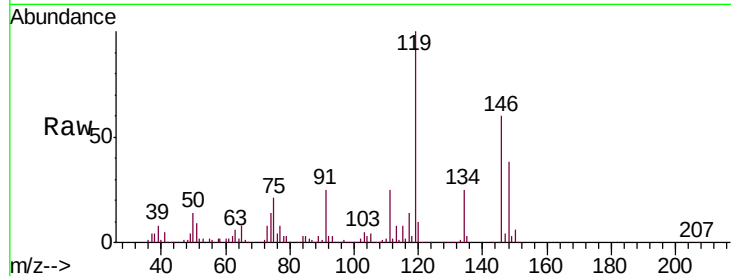
#87
 1,3-Dichlorobenzene
 Concen: 51.901 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	643503		
111	41.6	20.5	61.6	
148	63.1	31.5	94.5	

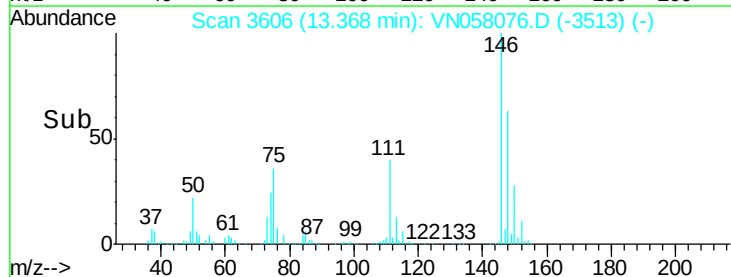
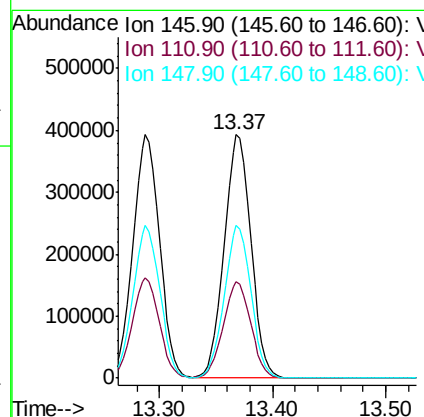
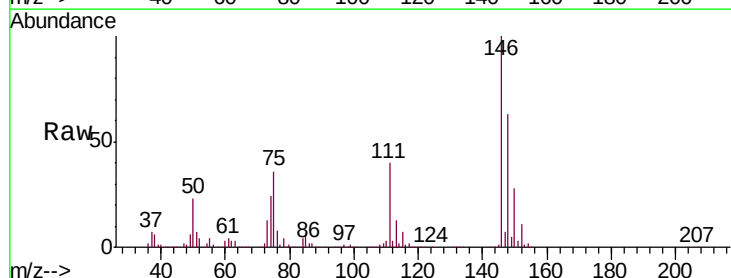
Manual Integrations
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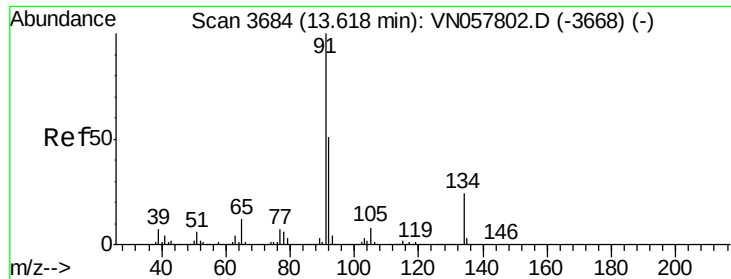
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#88
 1,4-Dichlorobenzene
 Concen: 51.485 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	647965		
111	40.5	20.4	61.2	
148	62.1	31.8	95.4	





#89

n-Butylbenzene

Concen: 54.920 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

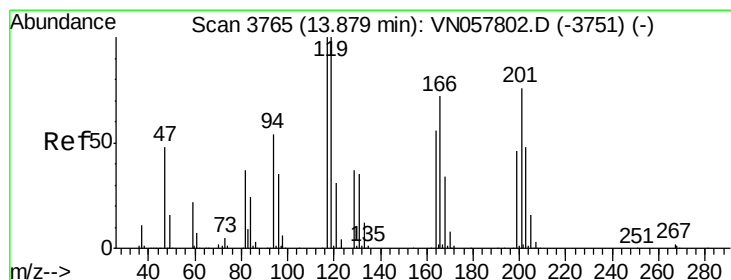
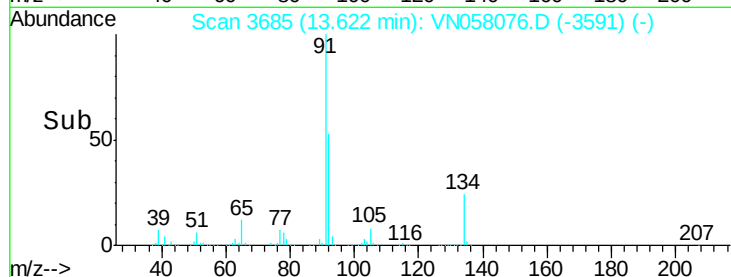
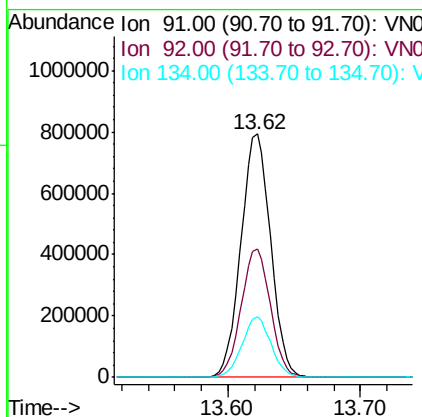
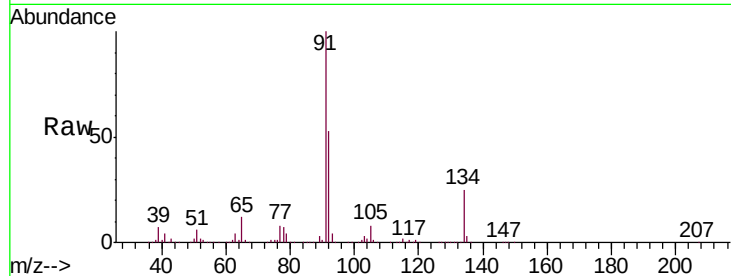
ClientSampleId :

VSTDCCC050

Tgt Ion:	91	Resp:	1232511
Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.7	77.0
134	24.2	11.9	35.7

Manual Integrations
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#90

Hexachloroethane

Concen: 55.374 ug/l

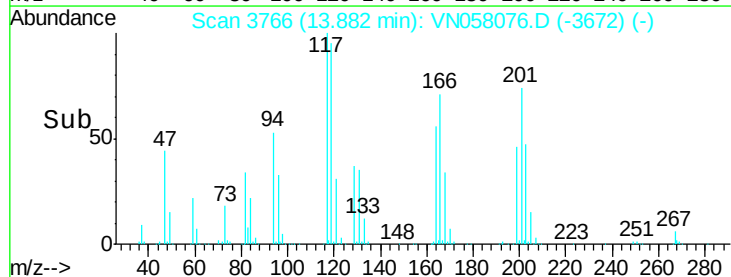
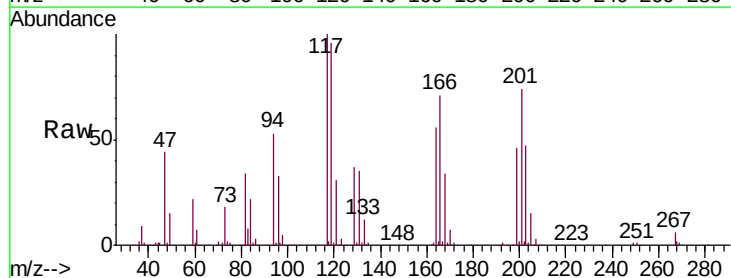
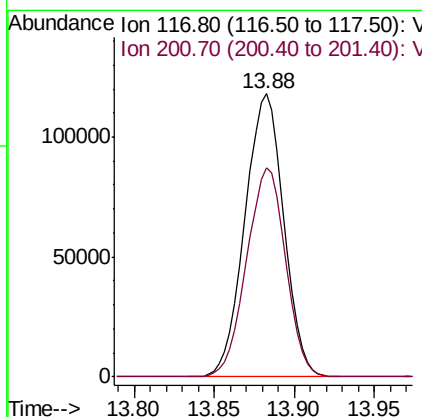
RT: 13.88 min Scan# 3766

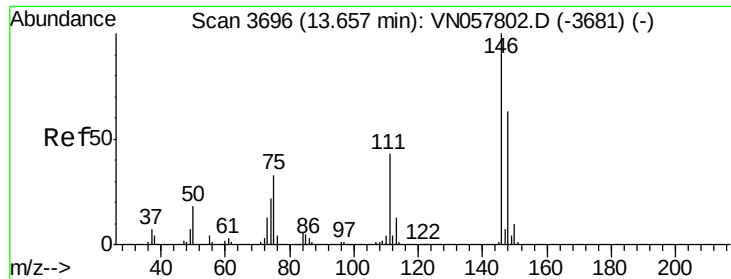
Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Tgt Ion:	117	Resp:	195706
Ion	Ratio	Lower	Upper
117	100		
201	74.2	37.5	112.7





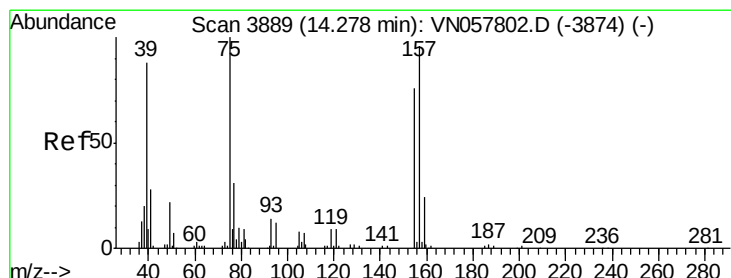
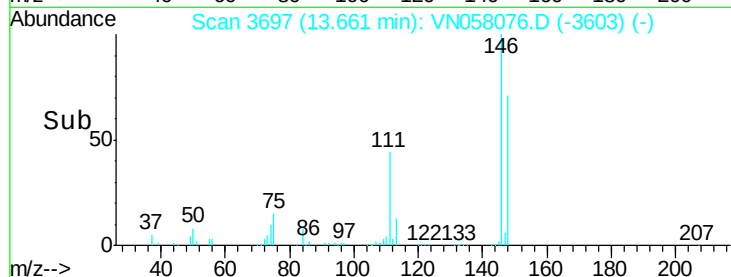
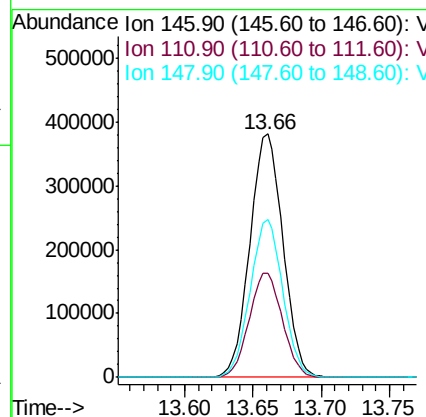
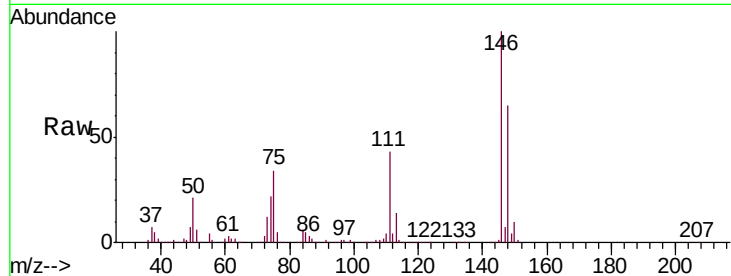
#91
 1,2-Dichlorobenzene
 Concen: 51.881 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	63.8	31.4	94.3

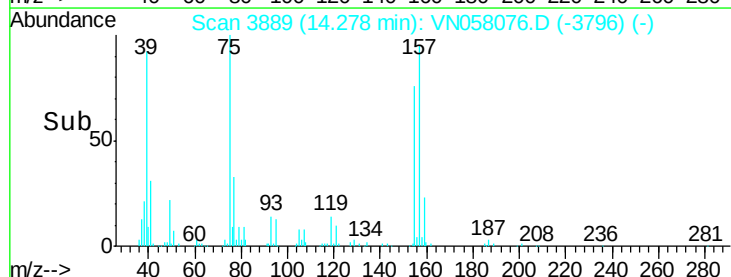
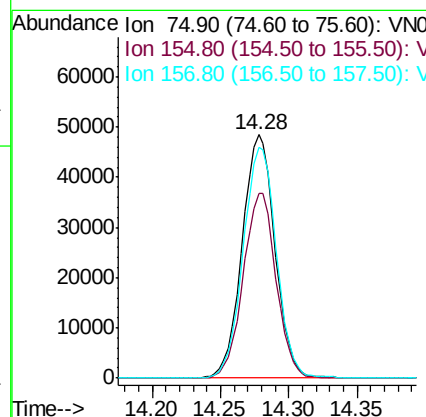
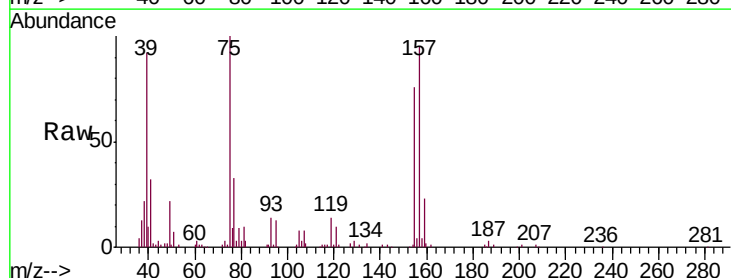
Manual Integrations
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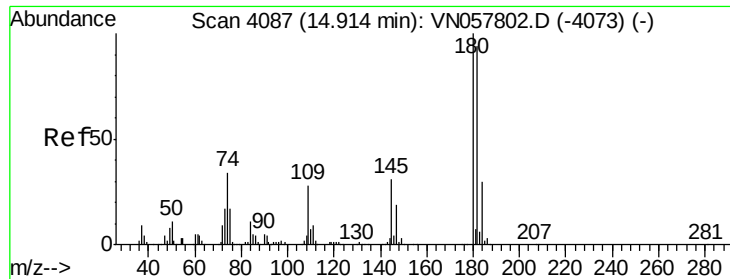
MMDadoda
 9/18/2019 1:56:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.832 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	37.3	111.8
157	96.0	47.9	143.8





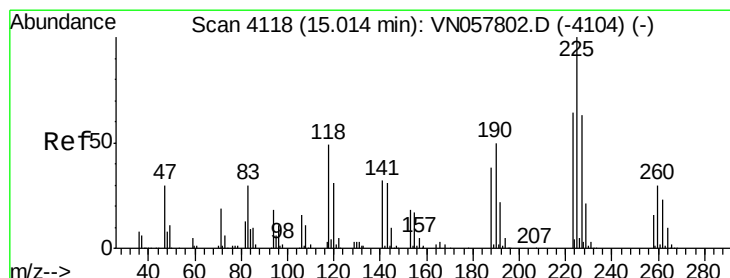
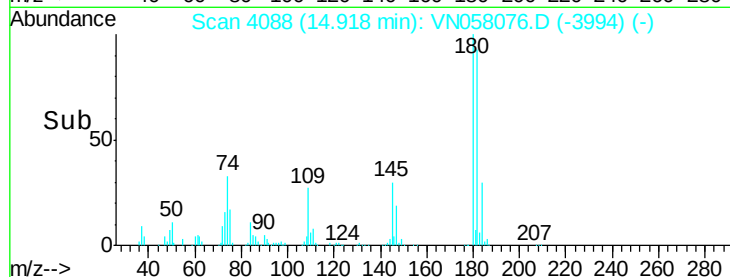
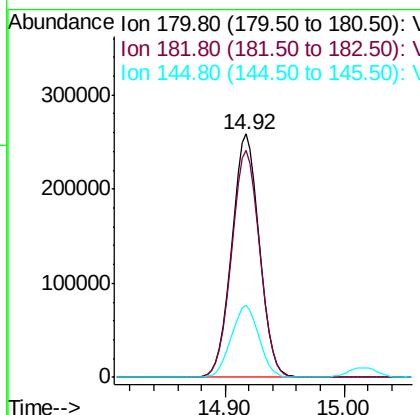
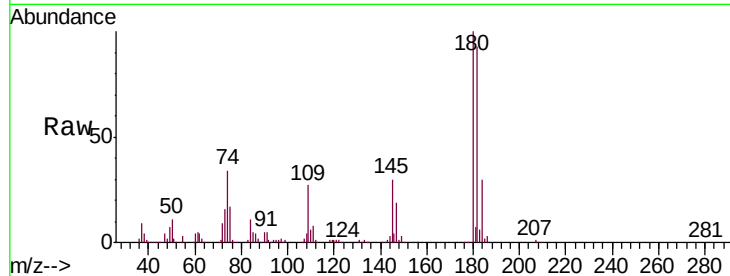
#93
 1,2,4-Trichlorobenzene
 Concen: 51.180 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	414367		
182	95.2	46.9	140.8	
145	30.0	14.9	44.7	

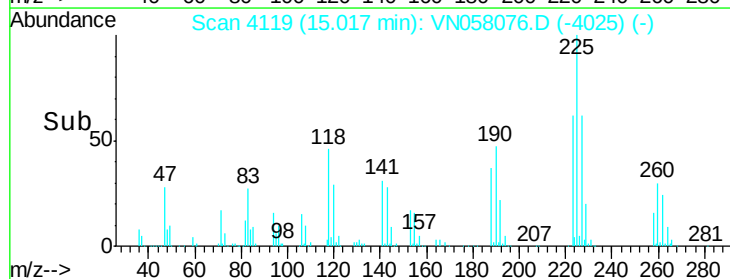
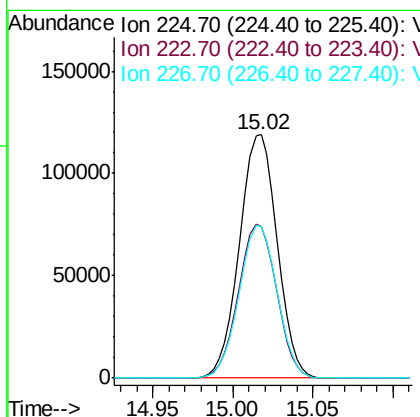
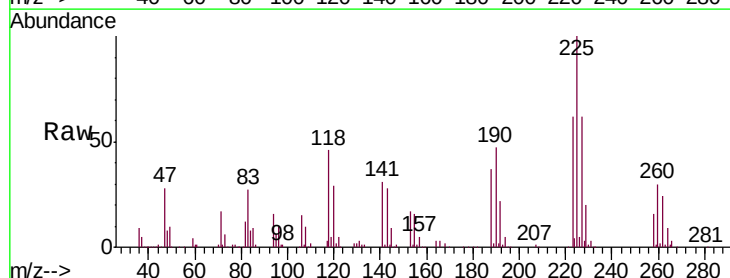
Manual Integrations
 APPROVED

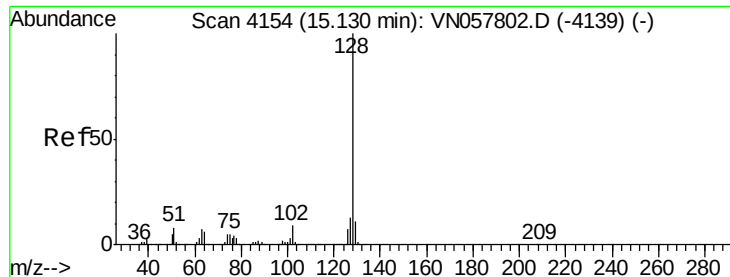
MMDadoda
 9/18/2019 1:56:04 PM



#94
 Hexachlorobutadiene
 Concen: 55.745 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058076.D
 Acq: 15 Sep 2019 8:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	191320		
223	63.8	32.4	97.2	
227	63.2	31.8	95.4	





#95

Naphthalene

Concen: 54.693 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 1114897

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

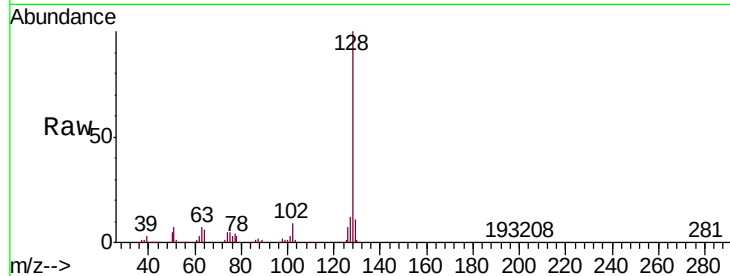
129 10.4 8.6 12.8

Manual Integrations

APPROVED

MMDadoda

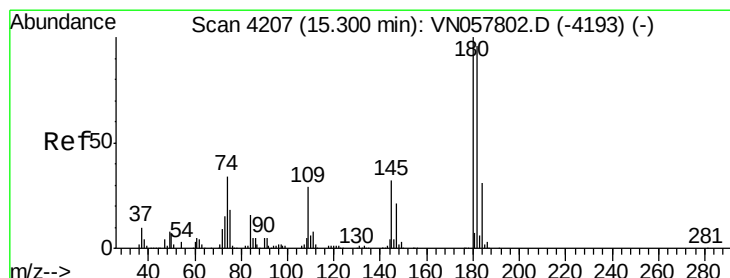
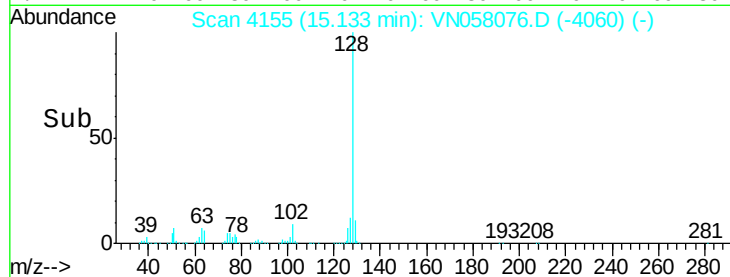
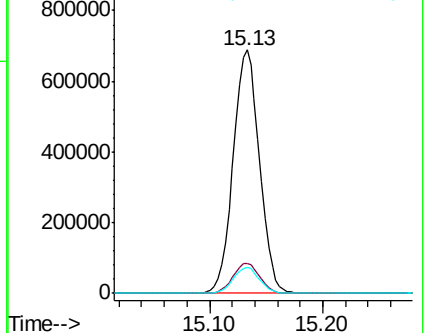
9/18/2019 1:56:04 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.652 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058076.D

Acq: 15 Sep 2019 8:07

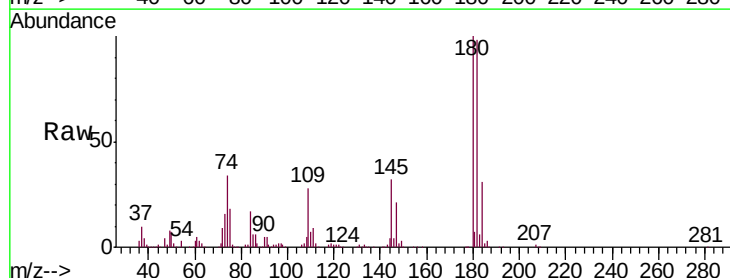
Tgt Ion:180 Resp: 379744

Ion Ratio Lower Upper

180 100

182 96.4 48.3 144.8

145 32.1 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

