

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057971.D
 Acq On : 12 Sep 2019 15:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:05:44 PM

Quant Time: Sep 13 05:42:26 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	318281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	514029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	305563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	329946	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	7.58	113	239751	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.09	98	963759	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.41	95	353866	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	223210	50.710	ug/l	100
3) Chloromethane	2.03	50	197735	44.076	ug/l	98
4) Vinyl Chloride	2.16	62	211330	44.508	ug/l	99
5) Bromomethane	2.53	94	112456	42.883	ug/l	96
6) Chloroethane	2.67	64	134940	44.600	ug/l	99
7) Trichlorofluoromethane	2.99	101	271475	45.433	ug/l	95
8) Diethyl Ether	3.39	74	118134	47.402	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184445	48.932	ug/l	99
10) Methyl Iodide	3.93	142	186093	44.365	ug/l	99
11) Tert butyl alcohol	4.77	59	202950	260.114	ug/l	99
12) 1,1-Dichloroethene	3.71	96	155500	45.882	ug/l	94
13) Acrolein	3.59	56	123160	186.057	ug/l	98
14) Allyl chloride	4.30	41	303693	45.788	ug/l	99
15) Acrylonitrile	4.96	53	557751	260.078	ug/l	99
16) Acetone	3.80	43	476511	225.483	ug/l	97
17) Carbon Disulfide	4.03	76	224374	42.560	ug/l	99
18) Methyl Acetate	4.30	43	302244	53.640	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	714547	50.662	ug/l	100
20) Methylene Chloride	4.53	84	209775	52.197	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	167037	45.593	ug/l	99
22) Diisopropyl ether	5.93	45	782417	50.303	ug/l	99
23) Vinyl Acetate	5.88	43	2933303	266.105	ug/l	100
24) 1,1-Dichloroethane	5.83	63	418492	49.231	ug/l	100
25) 2-Butanone	6.82	43	774287	253.144	ug/l	99
26) 2,2-Dichloropropane	6.81	77	305232	45.373	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	236329	48.134	ug/l	98
28) Bromochloromethane	7.18	49	209709	49.380	ug/l	98
29) Tetrahydrofuran	7.20	42	495221	262.749	ug/l	99
30) Chloroform	7.36	83	437790	49.255	ug/l	97
31) Cyclohexane	7.64	56	294801	50.932	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	347480	49.293	ug/l	99
36) 1,1-Dichloropropene	7.78	75	280334	47.025	ug/l	100
37) Ethyl Acetate	6.91	43	312415	50.723	ug/l	98
38) Carbon Tetrachloride	7.76	117	277802	51.041	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	296405	47.298	ug/l	98
40) Benzene	8.03	78	890342	49.608	ug/l	99
41) Methacrylonitrile	7.16	41	151543	54.202	ug/l	96
42) 1,2-Dichloroethane	8.11	62	360878	50.276	ug/l	100
43) Isopropyl Acetate	8.16	43	545474	52.663	ug/l #	91
44) Trichloroethene	8.83	130	213151	48.421	ug/l	99
45) 1,2-Dichloropropane	9.11	63	263931	50.538	ug/l	100
46) Dibromomethane	9.20	93	159166	50.435	ug/l	99
47) Bromodichloromethane	9.40	83	333394	52.904	ug/l	99
48) Methyl methacrylate	9.19	41	269195	51.235	ug/l	99
49) 1,4-Dioxane	9.19	88	91664	1031.645	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1745710	284.808	ug/l	100
52) Toluene	10.15	92	565973	50.068	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	346451	52.205	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	373058	50.916	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	248366	51.869	ug/l	98
56) Ethyl methacrylate	10.43	69	384629	53.342	ug/l	99
57) 1,3-Dichloropropane	10.71	76	422425	51.191	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	883596	260.175	ug/l	100
59) 2-Hexanone	10.75	43	1283720	279.420	ug/l	99
60) Dibromochloromethane	10.90	129	239131	53.781	ug/l	98
61) 1,2-Dibromoethane	11.01	107	232933	51.456	ug/l	100
64) Tetrachloroethene	10.63	164	174842	48.061	ug/l	100
65) Chlorobenzene	11.44	112	643165	49.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	235571	52.650	ug/l	98
67) Ethyl Benzene	11.51	91	1168584	51.712	ug/l	100
68) m/p-Xylenes	11.62	106	852704	103.013	ug/l	100
69) o-Xylene	11.95	106	420628	51.114	ug/l	97
70) Styrene	11.97	104	750212	52.972	ug/l	99
71) Bromoform	12.13	173	148941	53.392	ug/l #	99
73) Isopropylbenzene	12.25	105	1186694	50.049	ug/l	99
74) N-amyl acetate	12.07	43	525140	50.891	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	392013	49.104	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	331007m	47.886	ug/l	
77) Bromobenzene	12.53	156	273878	46.329	ug/l	98
78) n-propylbenzene	12.60	91	1406353	51.653	ug/l	99
79) 2-Chlorotoluene	12.68	91	832150	48.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1024985	51.162	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	93864	47.785	ug/l	93
82) 4-Chlorotoluene	12.78	91	868400	49.140	ug/l	99
83) tert-Butylbenzene	13.00	119	880517	49.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1046431	51.392	ug/l	99
85) sec-Butylbenzene	13.18	105	1211255	51.316	ug/l	99
86) p-Isopropyltoluene	13.30	119	1086432	52.239	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	528468	48.703	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	535671	48.635	ug/l	99
89) n-Butylbenzene	13.62	91	1009560	51.403	ug/l	100
90) Hexachloroethane	13.88	117	160595	51.922	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	529840	48.877	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	70936	53.804	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	328408	46.350	ug/l	99
94) Hexachlorobutadiene	15.02	225	145043	48.290	ug/l	99
95) Naphthalene	15.13	128	961210	53.857	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	314407	50.812	ug/l	99

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

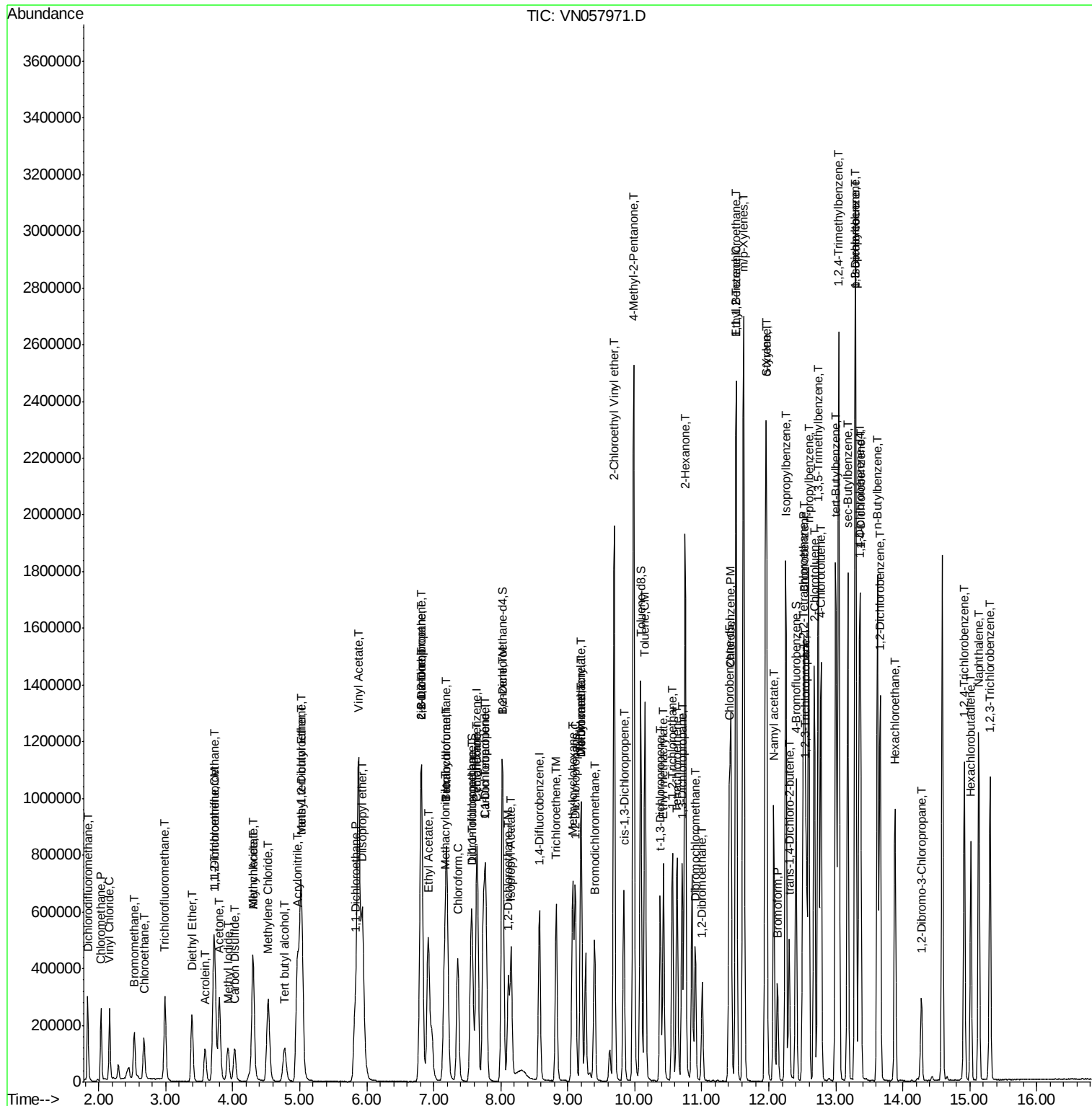
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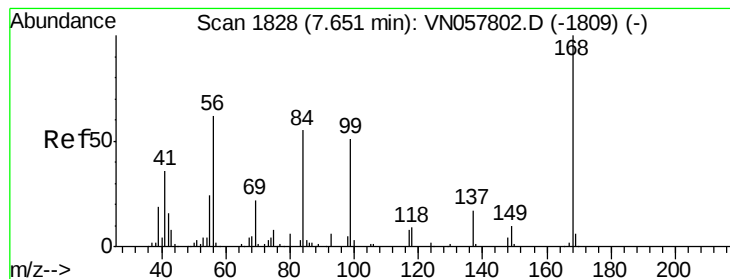
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 318281

Ion Ratio Lower Upper

168 100

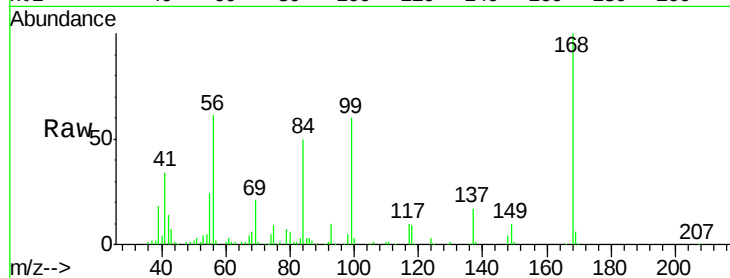
99 59.6 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

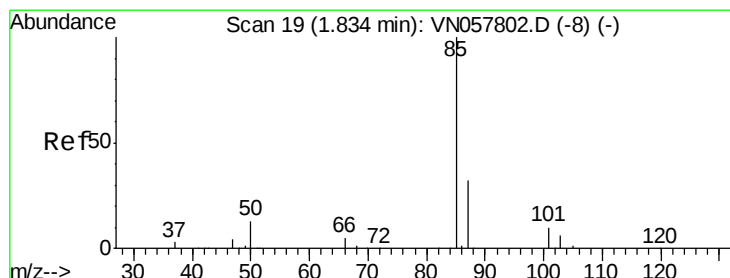
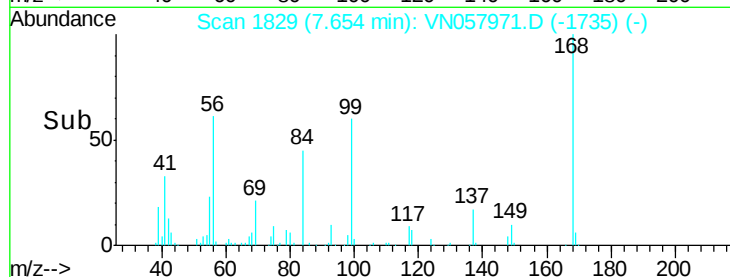
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.710 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057971.D

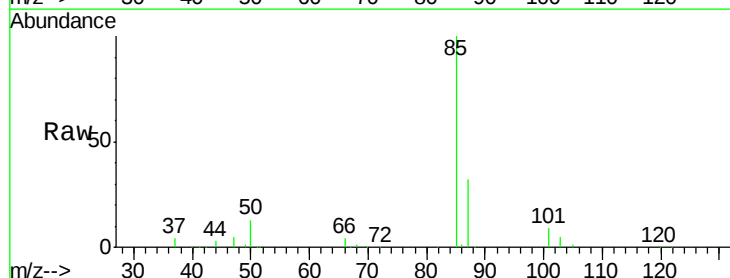
Acq: 12 Sep 2019 15:13

Tgt Ion: 85 Resp: 223210

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

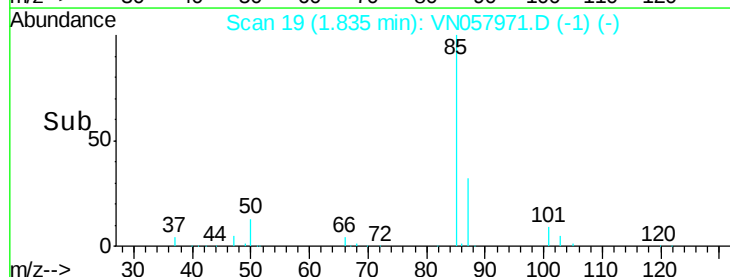
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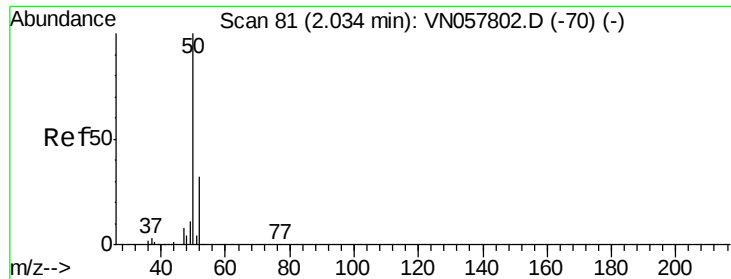
100000

50000

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Time-->





#3

Chloromethane

Concen: 44.076 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 197735

Ion Ratio Lower Upper

50 100

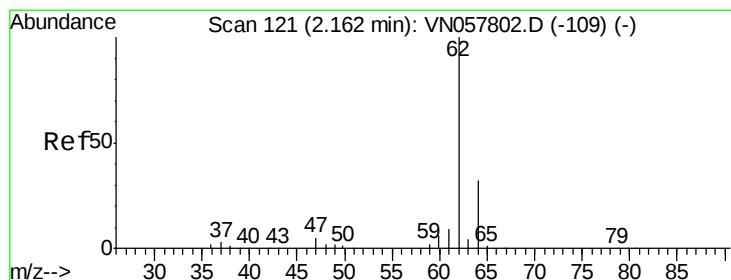
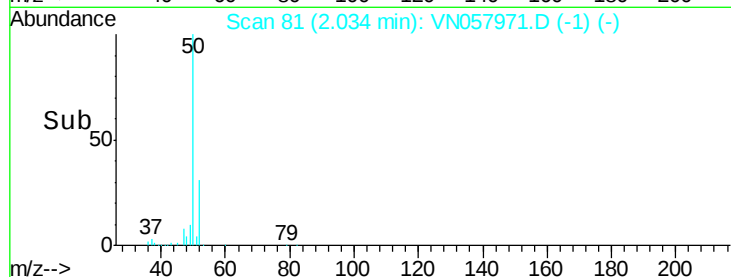
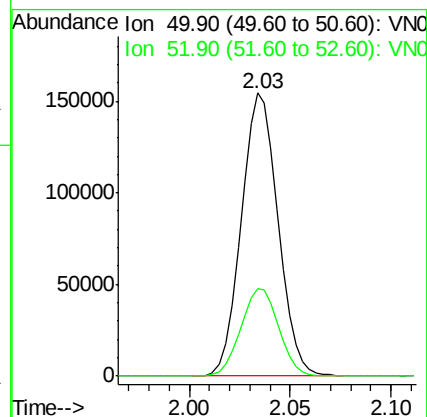
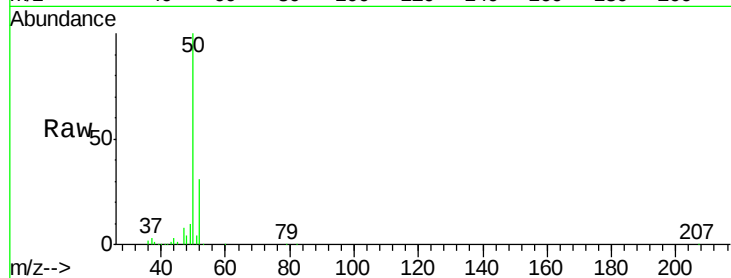
52 30.9 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.508 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057971.D

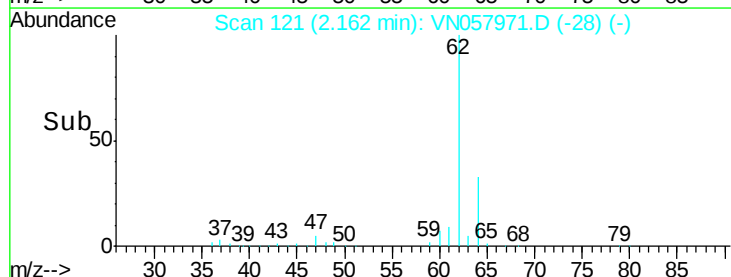
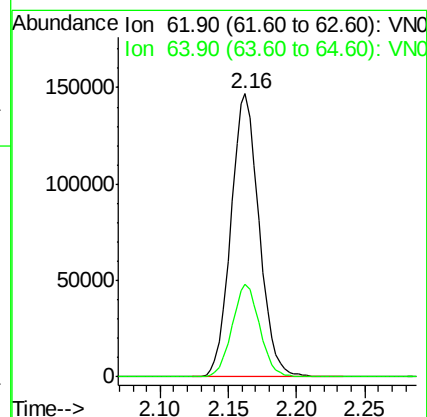
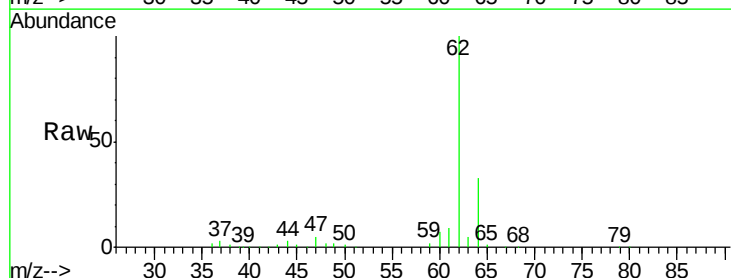
Acq: 12 Sep 2019 15:13

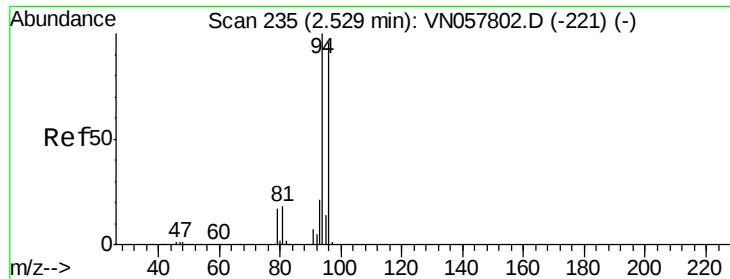
Tgt Ion: 62 Resp: 211330

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 42.883 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 112456

Ion Ratio Lower Upper

94 100

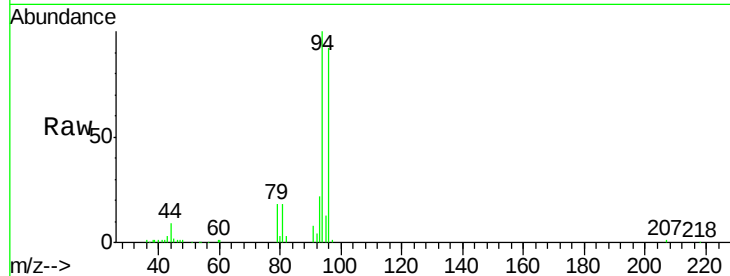
96 92.1 77.0 115.4

Manual Integrations

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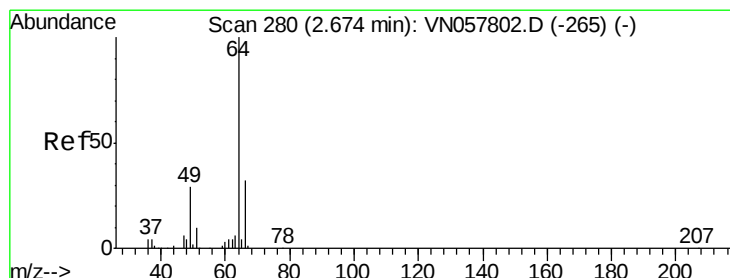
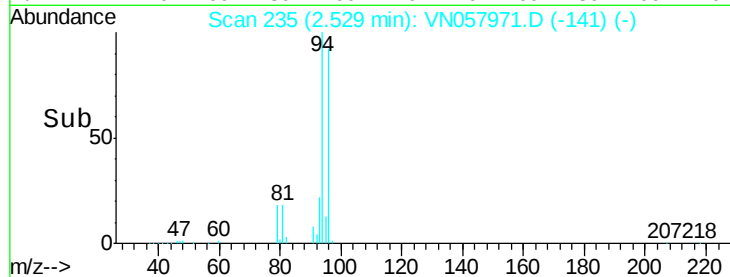
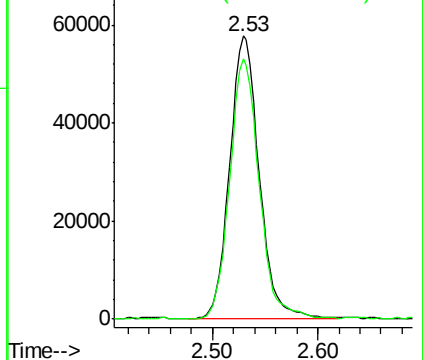
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.600 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057971.D

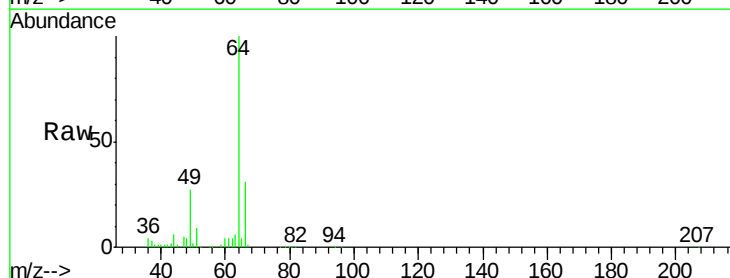
Acq: 12 Sep 2019 15:13

Tgt Ion: 64 Resp: 134940

Ion Ratio Lower Upper

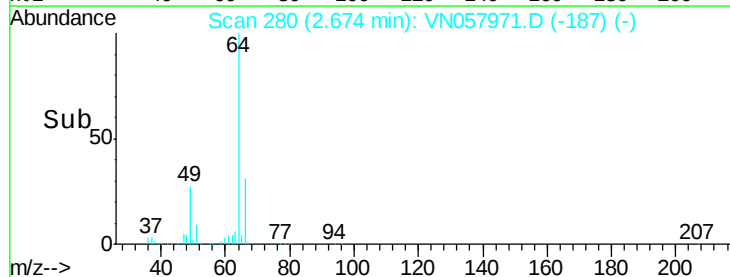
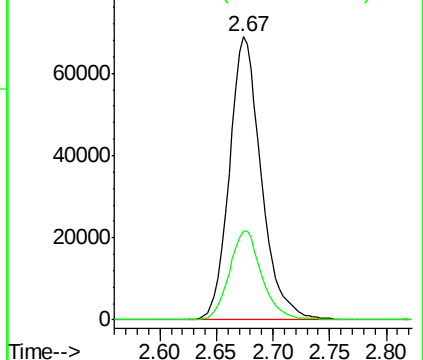
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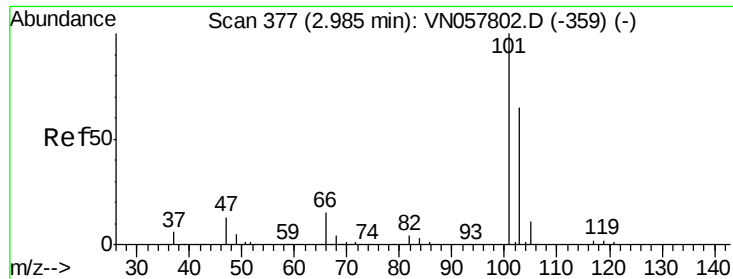
66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

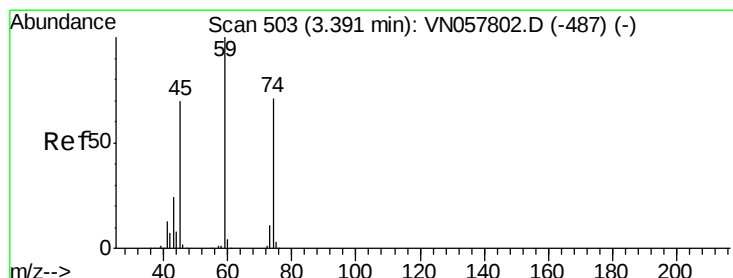
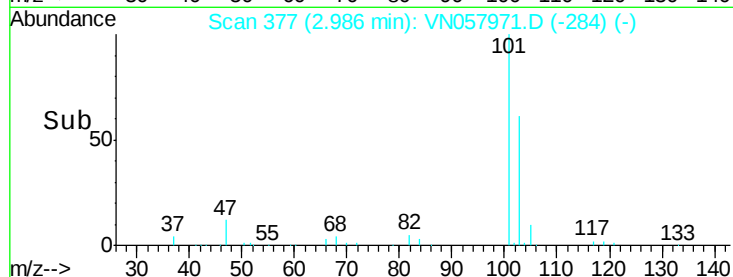
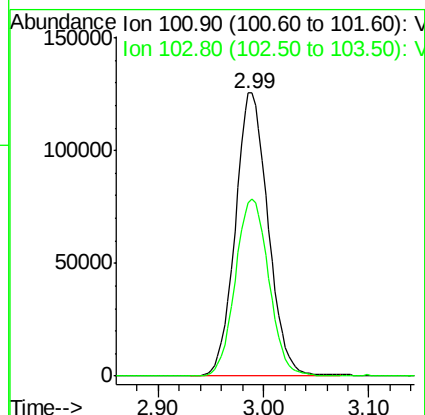
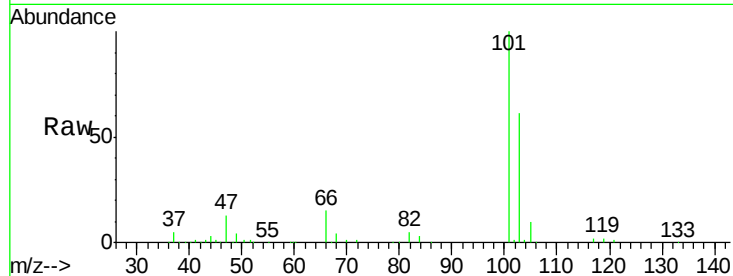
Trichlorofluoromethane
 Concen: 45.433 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.9	77.9

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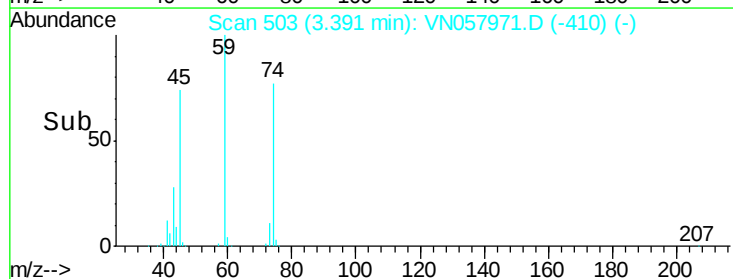
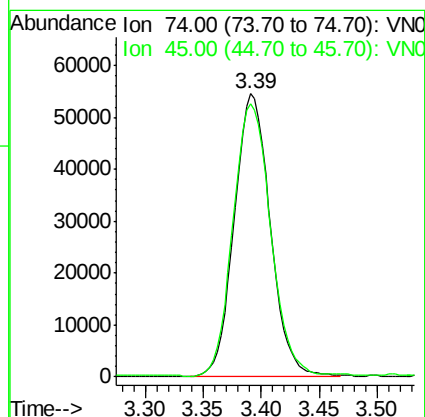
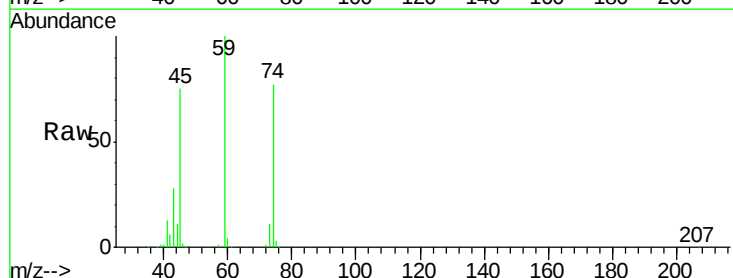
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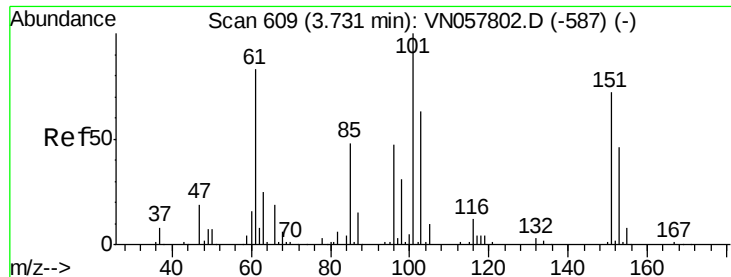


#8

Diethyl Ether
 Concen: 47.402 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.932 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

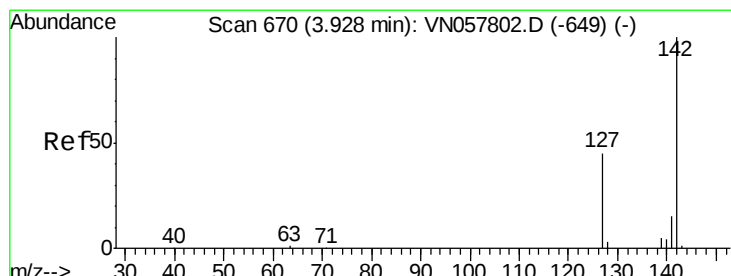
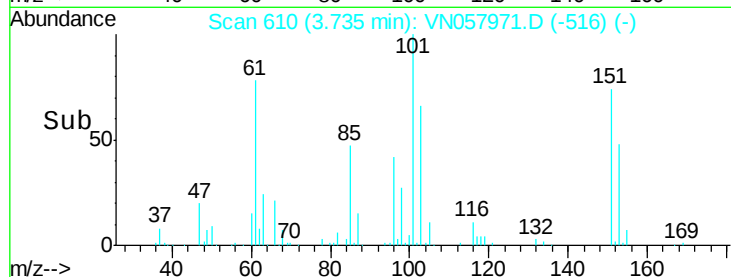
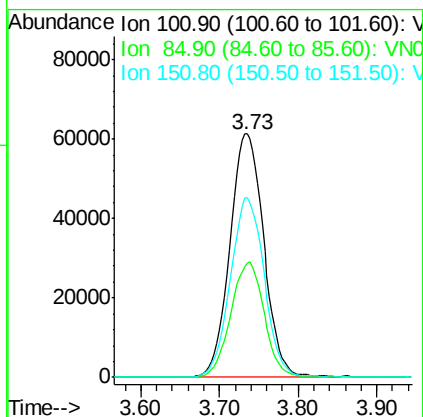
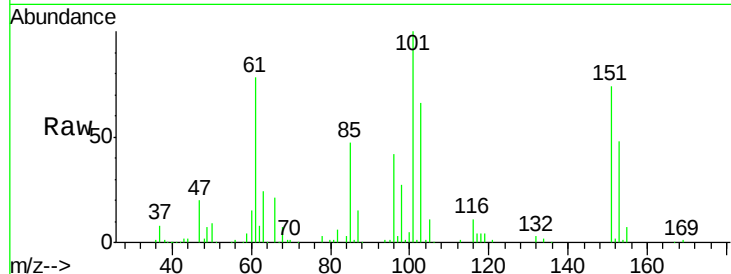
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	184445
Ion Ratio	Lower	Upper	
101	100		
85	46.7	38.1	57.1
151	73.7	58.4	87.6

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#10

Methyl Iodide

Concen: 44.365 ug/l

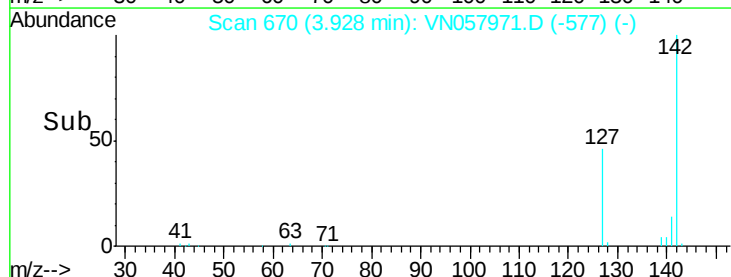
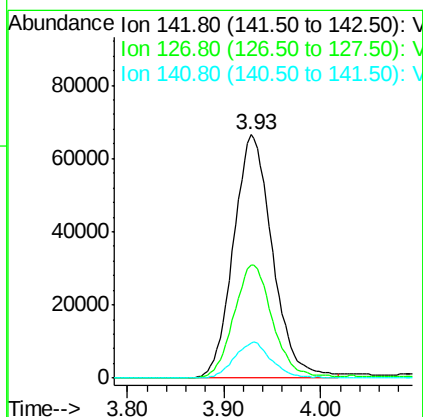
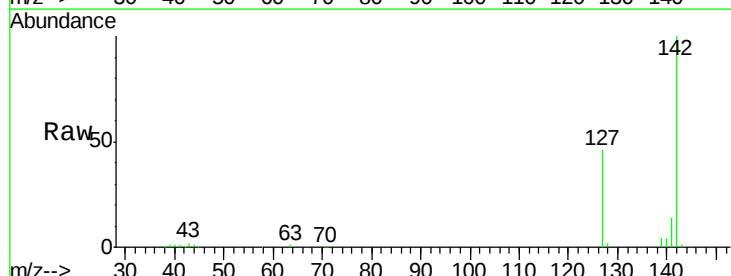
RT: 3.93 min Scan# 670

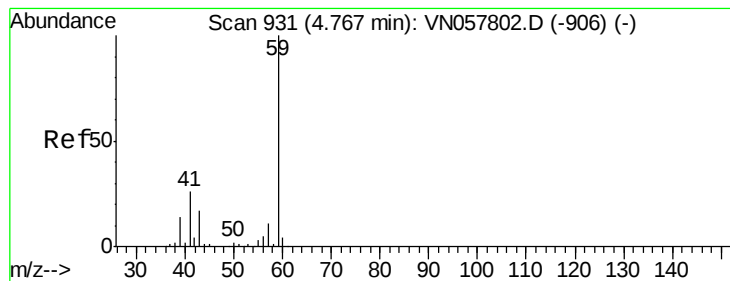
Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion:	142	Resp:	186093
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.7	55.1
141	14.0	11.4	17.0





#11

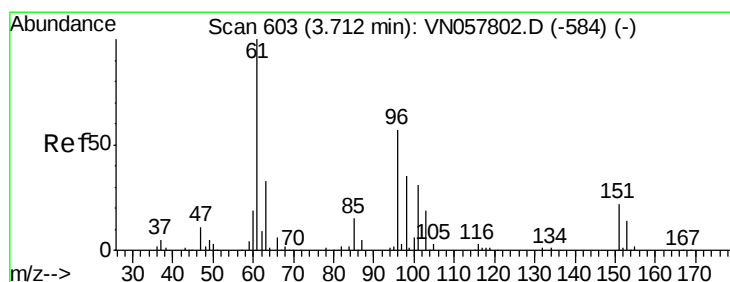
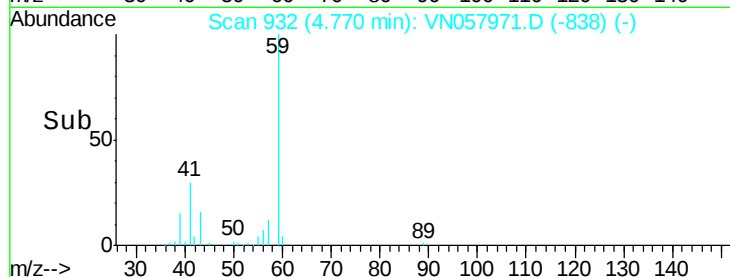
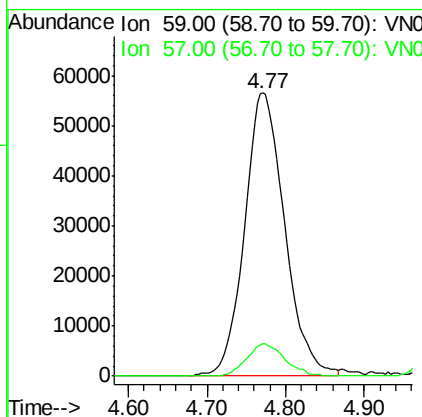
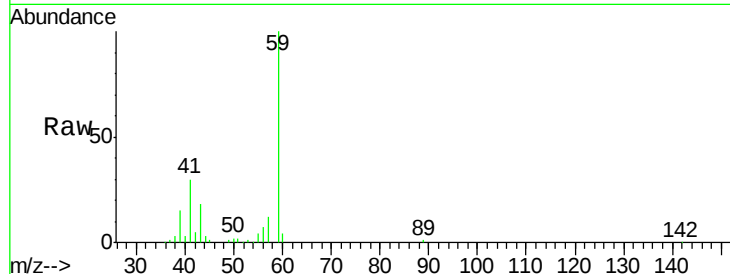
Tert butyl alcohol
Concen: 260.114 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.4	12.6

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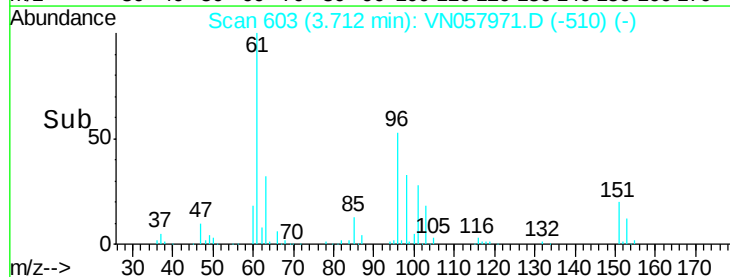
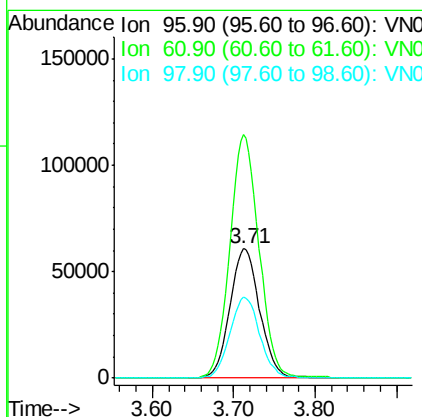
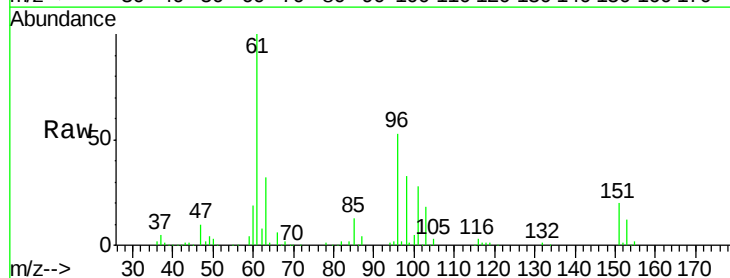
MMDadoda
9/13/2019 1:05:44 PM

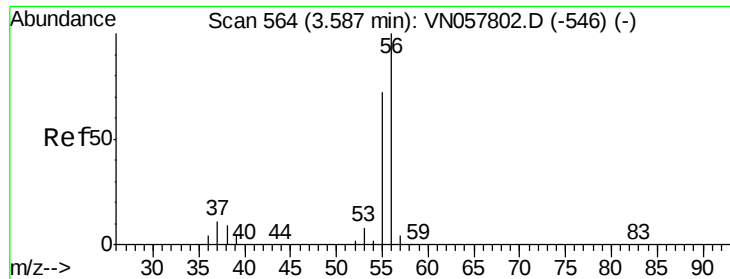


#12

1,1-Dichloroethene
Concen: 45.882 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.0	141.2	211.8
98	62.2	49.9	74.9





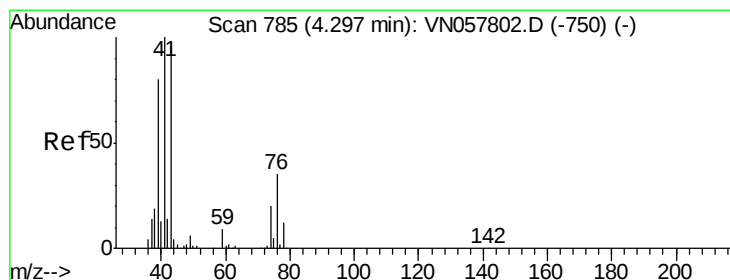
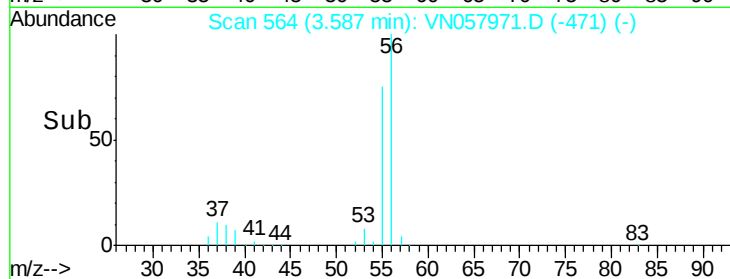
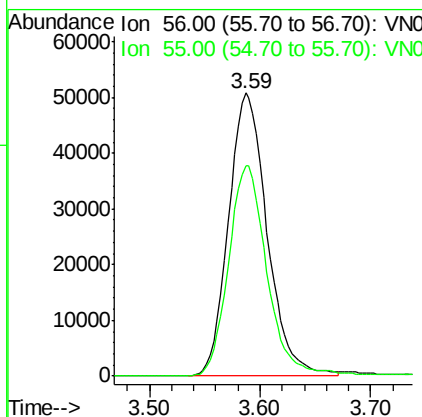
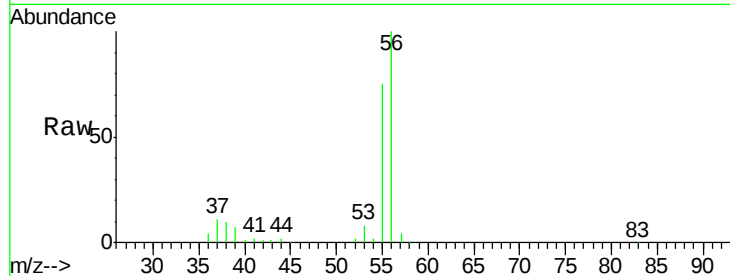
#13
Acrolein
Concen: 186.057 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.1	57.3	85.9

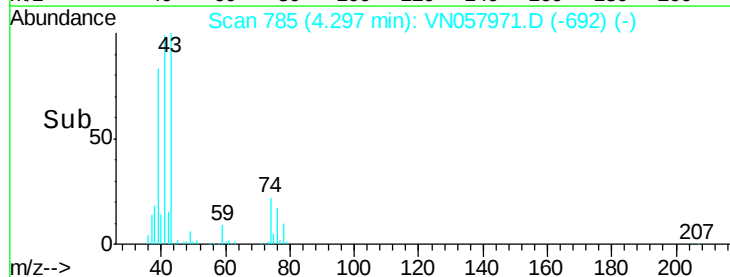
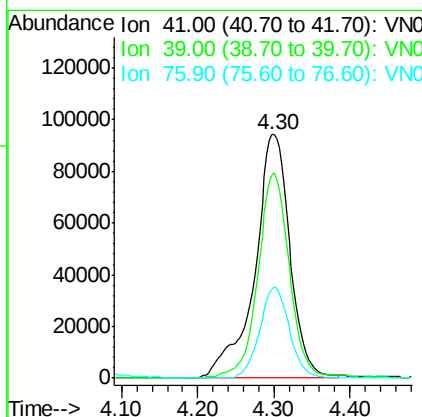
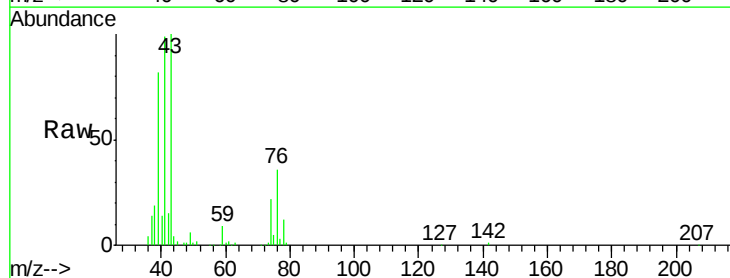
Manual Integrations
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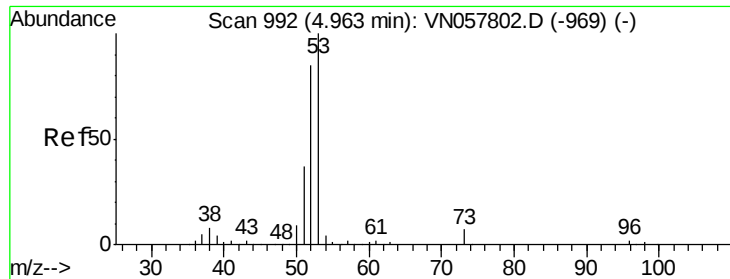
MMDadoda
9/13/2019 1:05:44 PM



#14
Allyl chloride
Concen: 45.788 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.0	59.4	89.2
76	31.7	26.0	39.0





#15

Acrylonitrile

Concen: 260.078 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

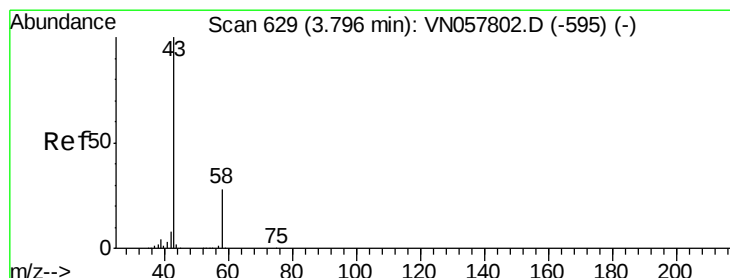
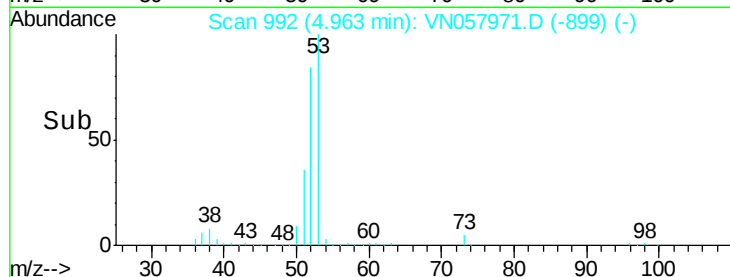
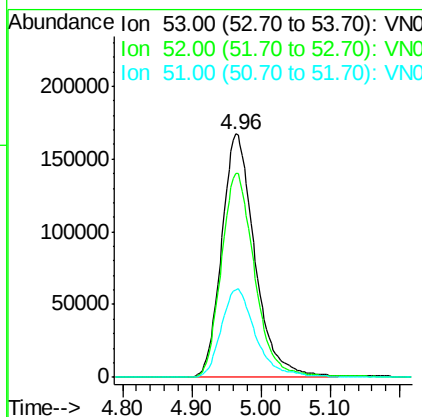
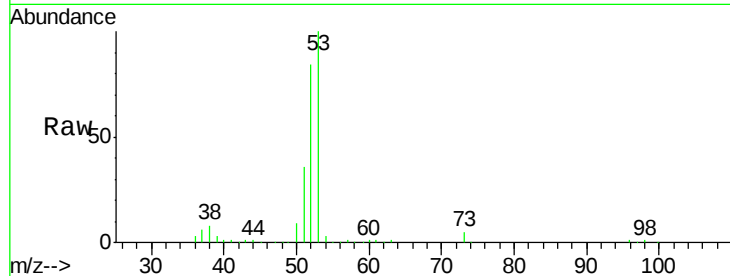
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	557751
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.6	100.0
51	37.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 225.483 ug/l

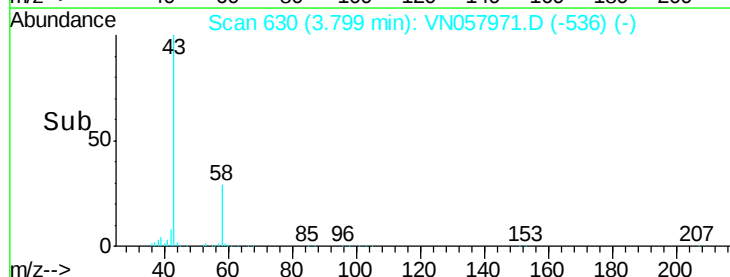
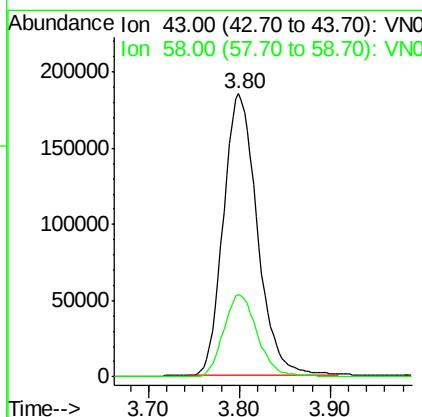
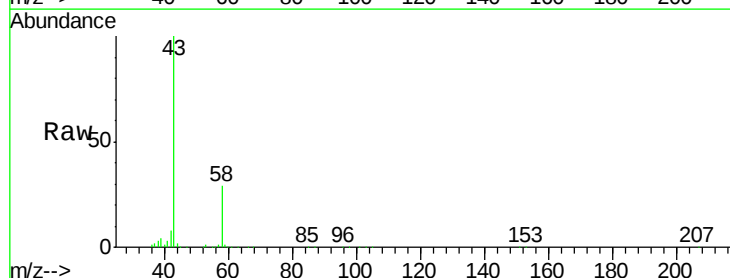
RT: 3.80 min Scan# 630

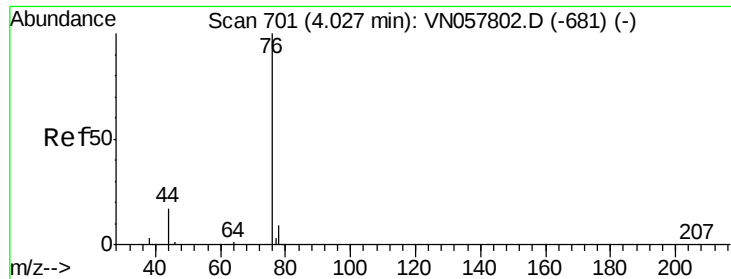
Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion:	43	Resp:	476511
Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.2	33.2





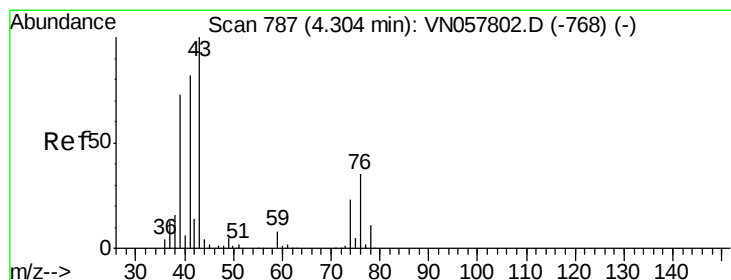
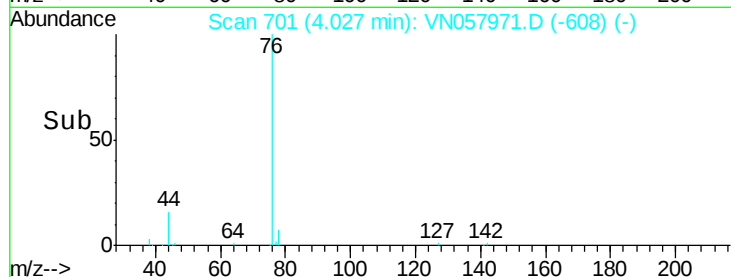
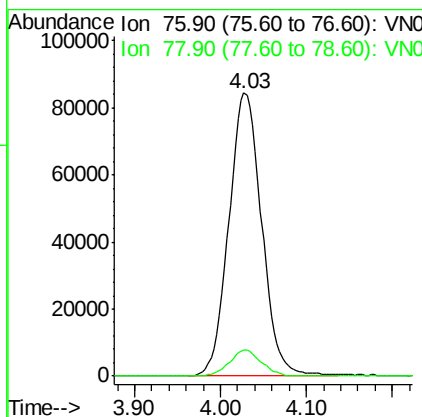
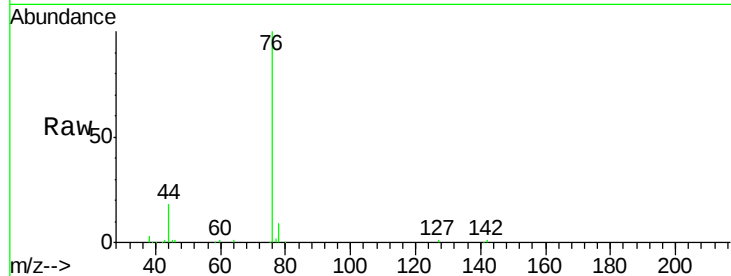
#17
Carbon Disulfide
Concen: 42.560 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

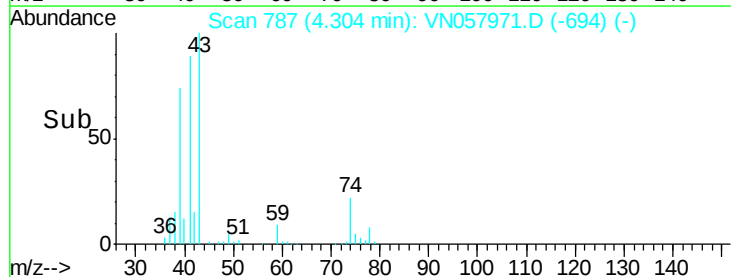
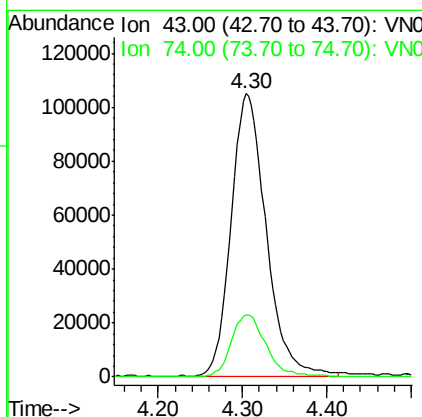
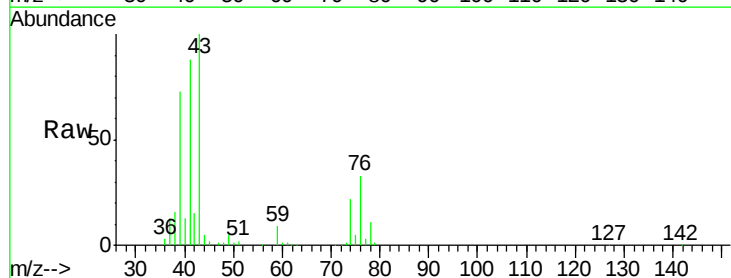
Manual Integrations
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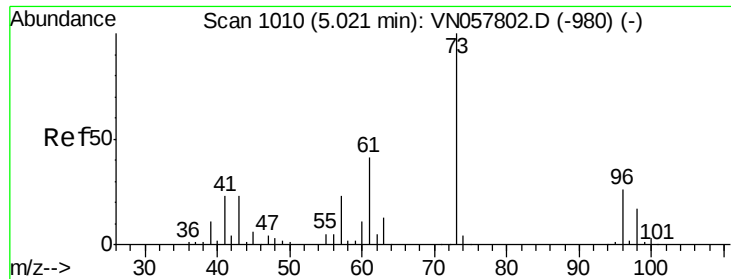
MMDadoda
9/13/2019 1:05:44 PM



#18
Methyl Acetate
Concen: 53.640 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.9	26.9





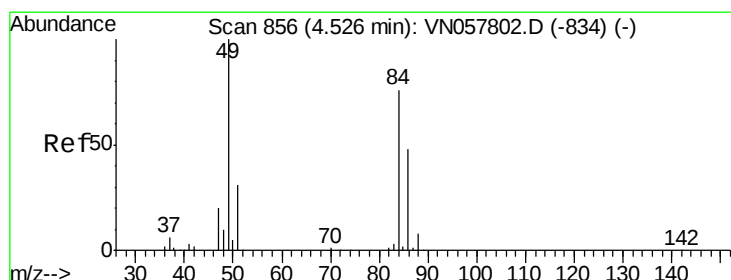
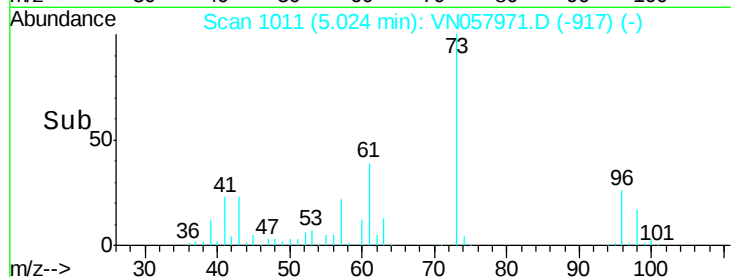
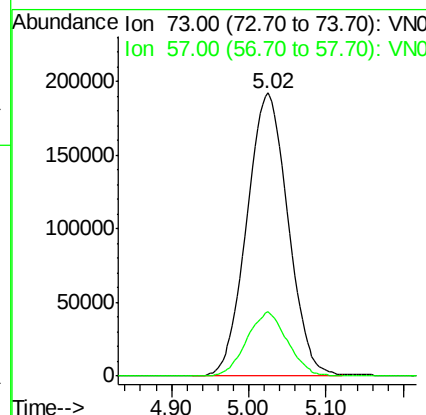
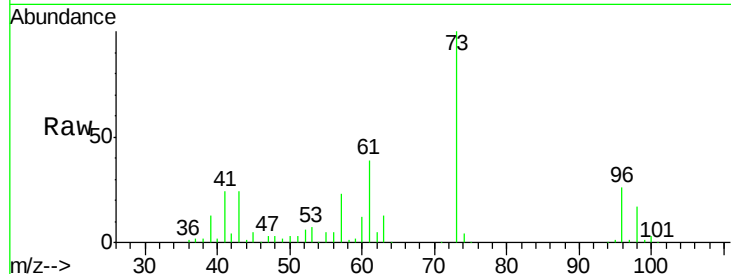
#19
Methvl tert-butvl Ether
Concen: 50.662 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 714547
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

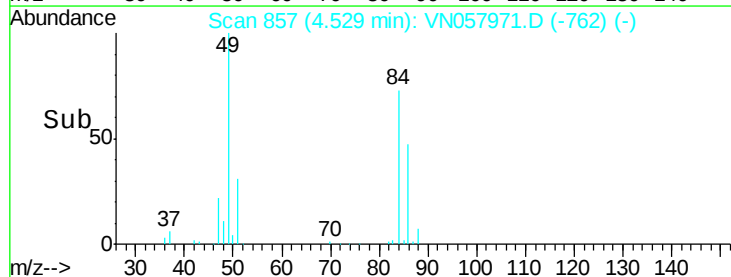
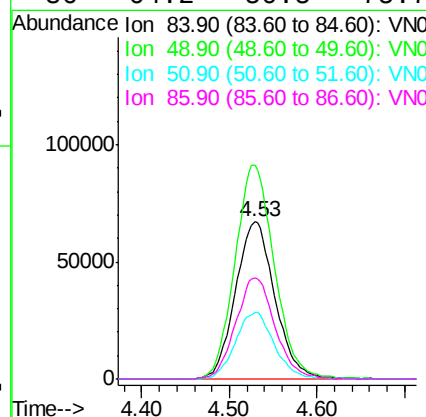
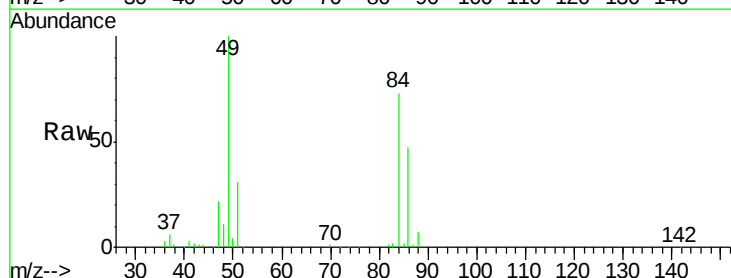
Manual Integrations
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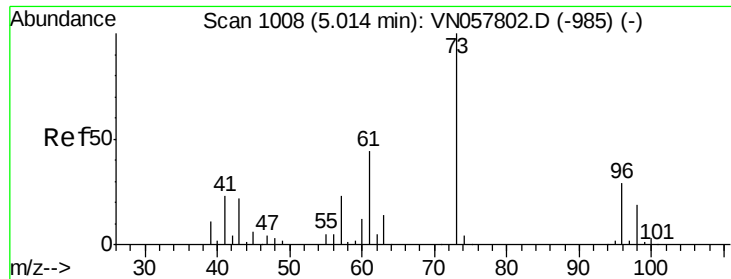
MMDadoda
9/13/2019 1:05:44 PM



#20
Methylene Chloride
Concen: 52.197 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion: 84 Resp: 209775
Ion Ratio Lower Upper
84 100
49 135.9 104.8 157.2
51 42.4 33.0 49.4
86 64.2 50.5 75.7





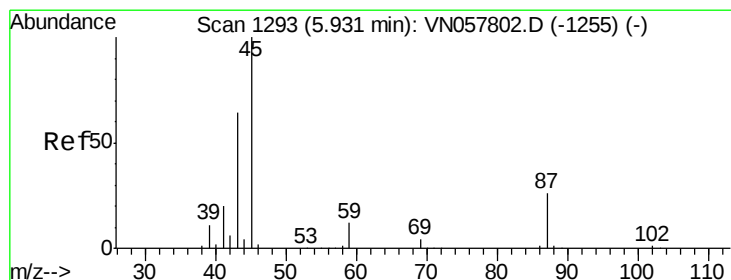
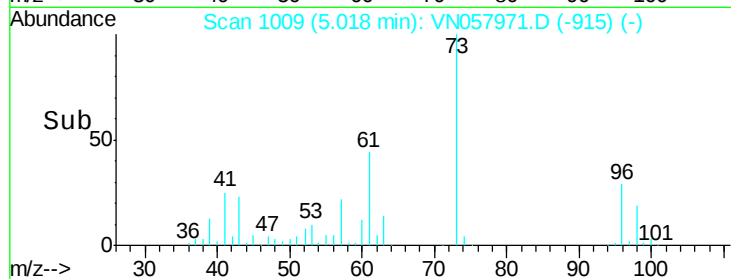
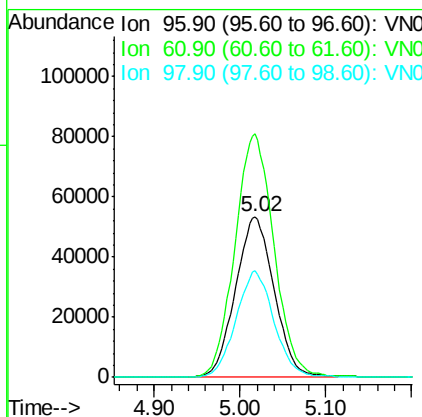
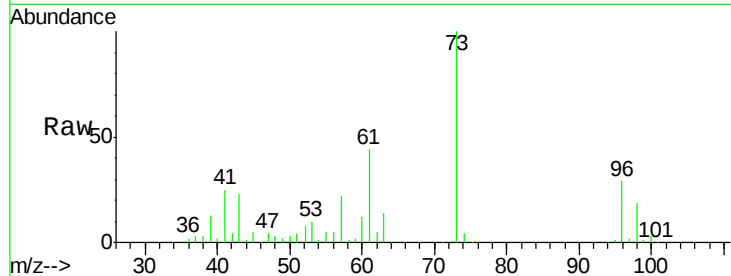
#21
trans-1,2-Dichloroethene
Concen: 45.593 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.7	121.9	182.9
98	66.7	52.2	78.4

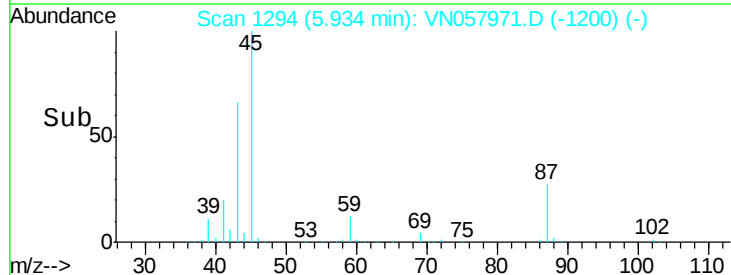
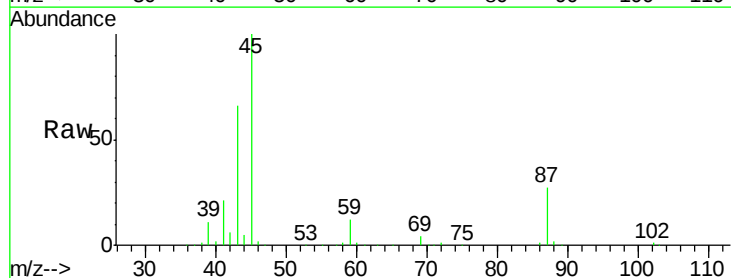
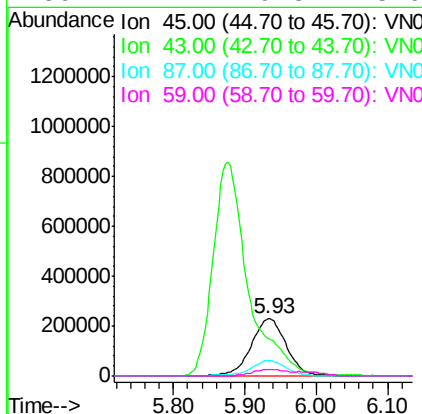
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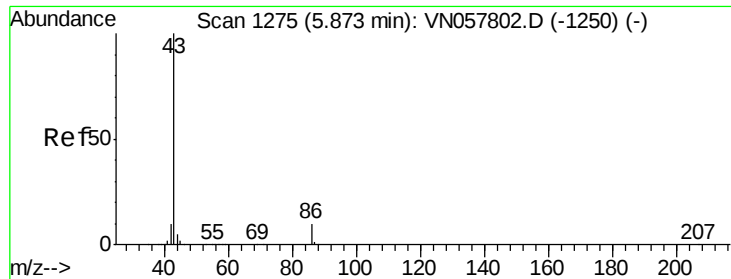
MMDadoda
9/13/2019 1:05:44 PM



#22
Diisopropyl ether
Concen: 50.303 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	51.4	77.2
87	27.1	21.3	31.9
59	11.7	9.3	13.9





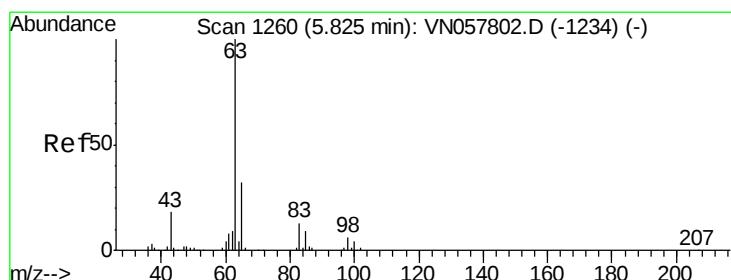
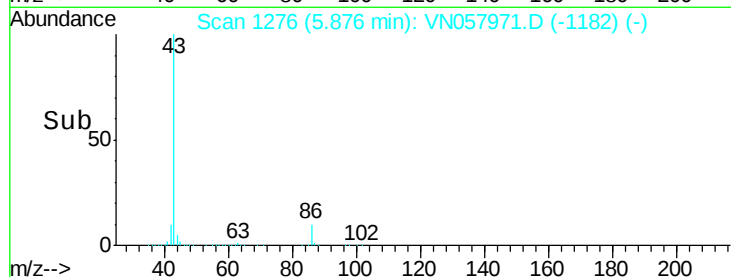
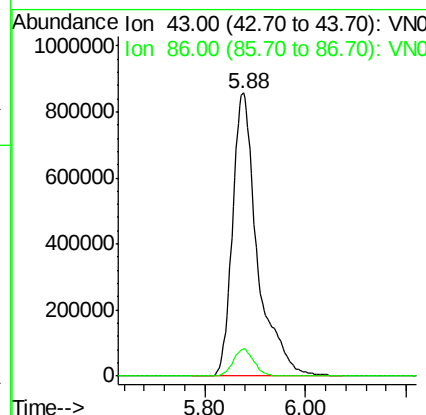
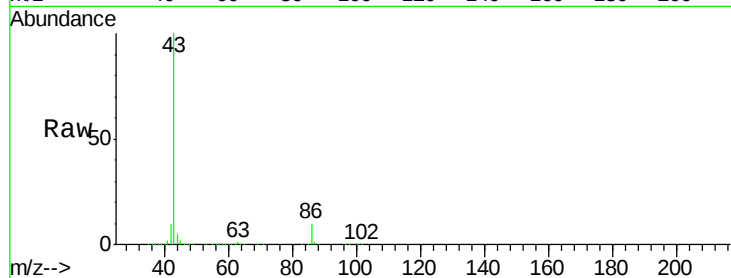
#23
Vinyl Acetate
Concen: 266.105 ug/l
RT: 5.88 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2933303
Ion Ratio Lower Upper
43 100
86 9.6 7.7 11.5

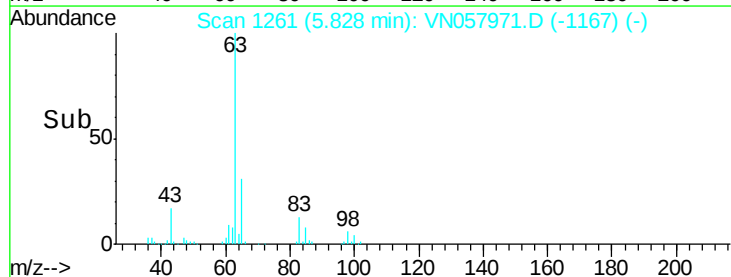
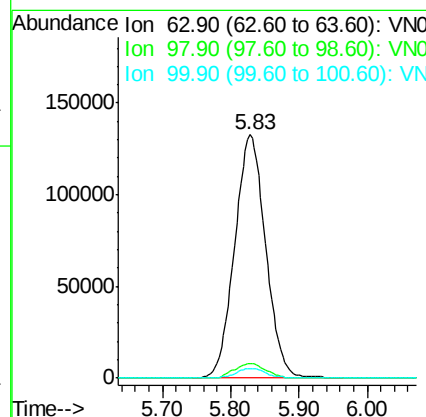
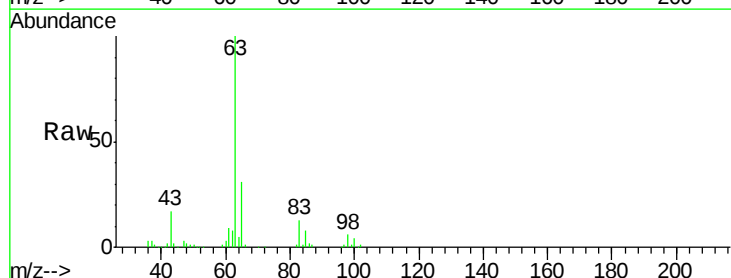
Manual Integrations
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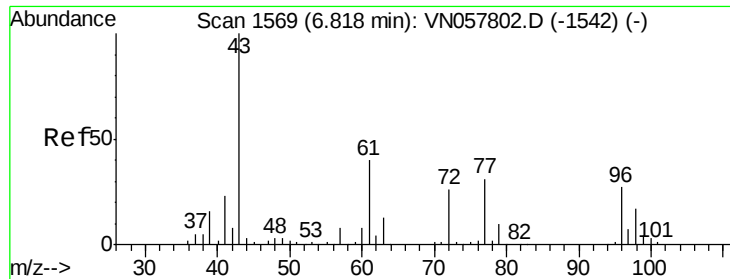
MMDadoda
9/13/2019 1:05:44 PM



#24
1,1-Dichloroethane
Concen: 49.231 ug/l
RT: 5.83 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion: 63 Resp: 418492
Ion Ratio Lower Upper
63 100
98 6.1 3.0 9.2
100 3.8 2.0 5.8





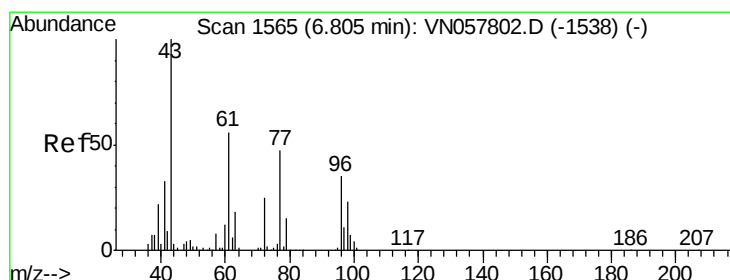
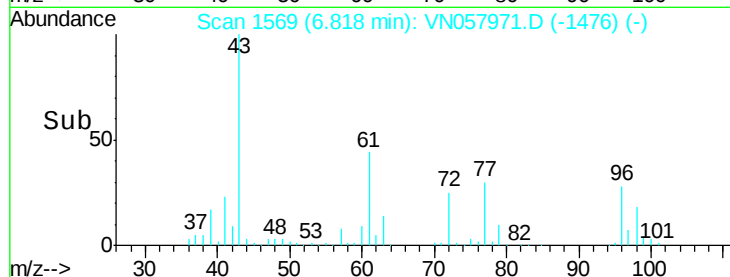
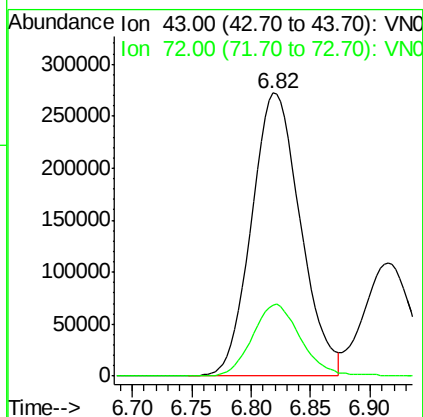
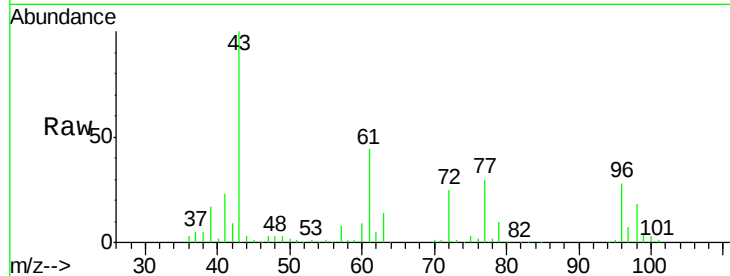
#25
2-Butanone
Concen: 253.144 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 774287
Ion Ratio Lower Upper
43 100
72 25.3 20.6 30.8

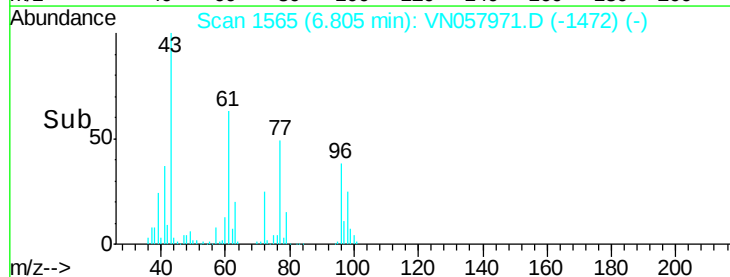
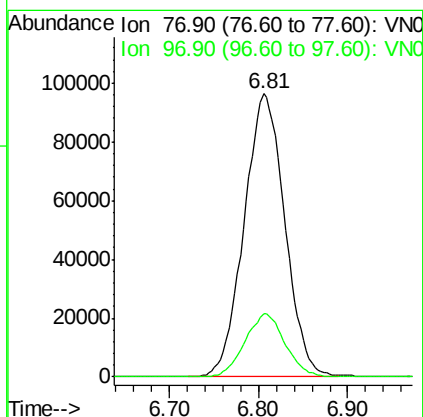
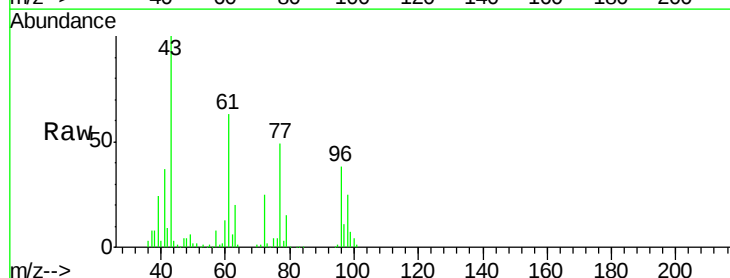
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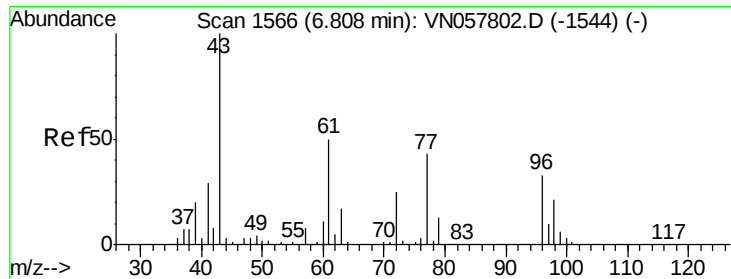
MMDadoda
9/13/2019 1:05:44 PM



#26
2,2-Dichloropropane
Concen: 45.373 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion: 77 Resp: 305232
Ion Ratio Lower Upper
77 100
97 22.0 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 48.134 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

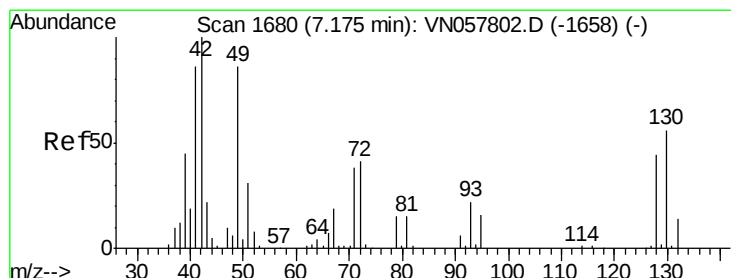
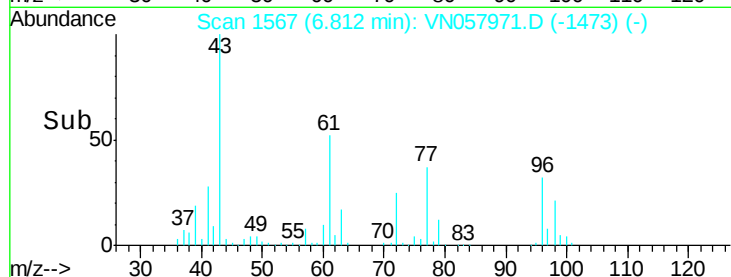
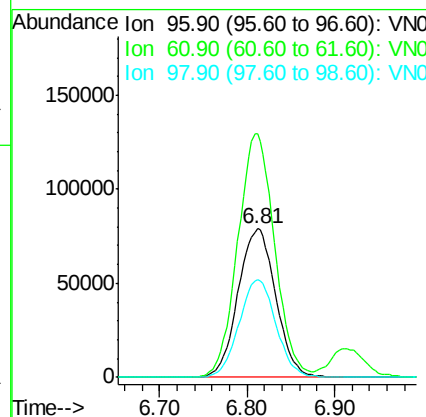
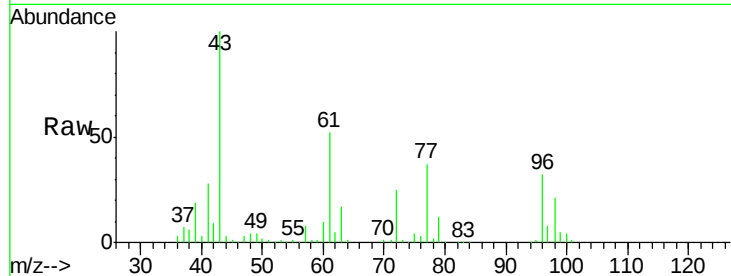
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	236329
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	314.0
98	64.3	0.0	128.6

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#28

Bromochloromethane

Concen: 49.380 ug/l

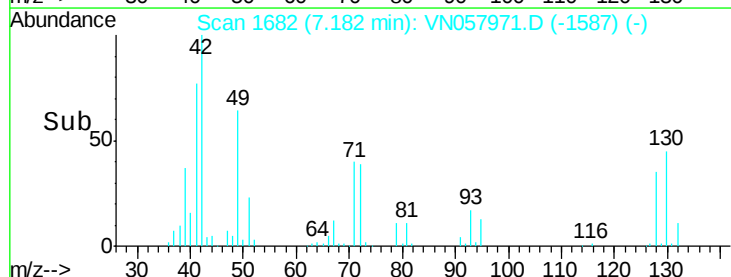
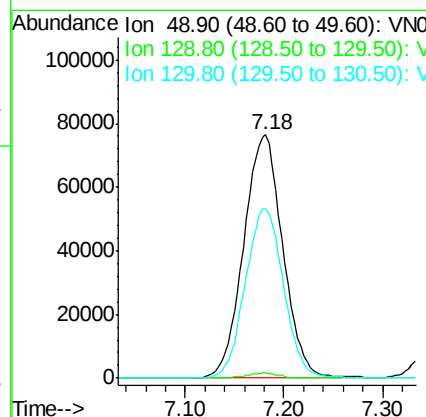
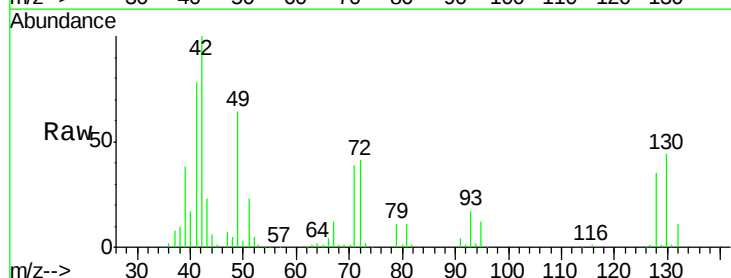
RT: 7.18 min Scan# 1682

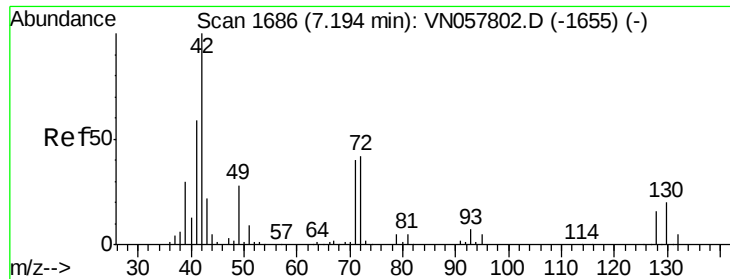
Delta R.T. 0.01 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion:	49	Resp:	209709
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	68.2	53.0	79.6





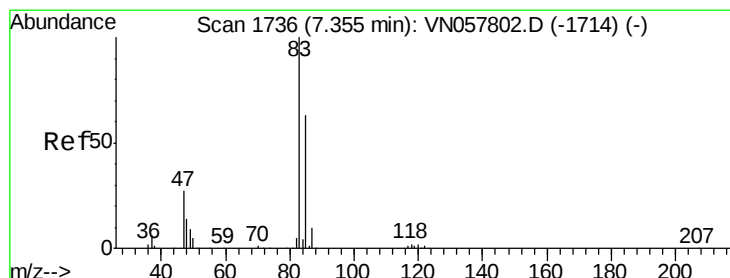
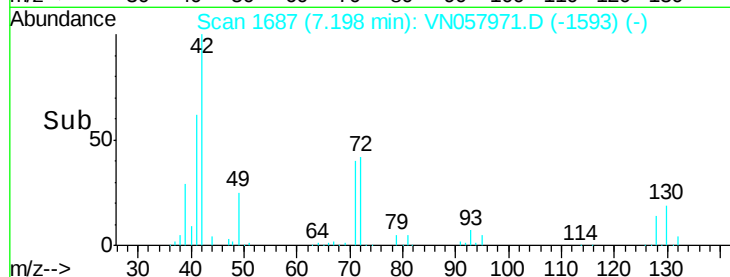
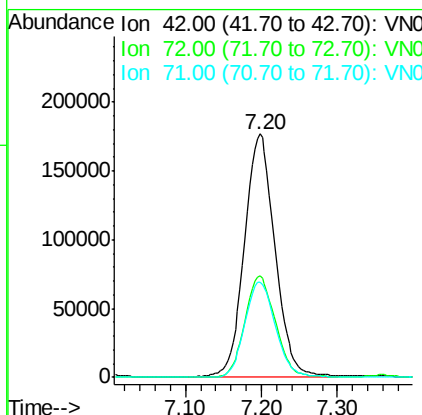
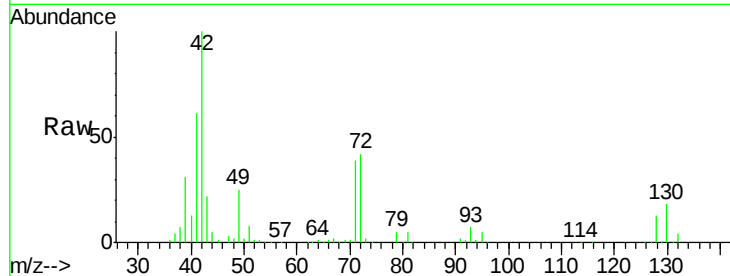
#29
Tetrahydrofuran
Concen: 262.749 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	39.6	31.9	47.9

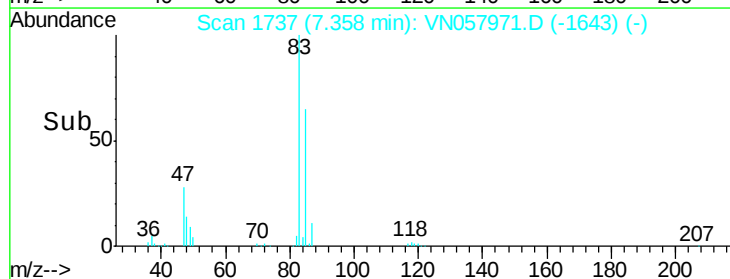
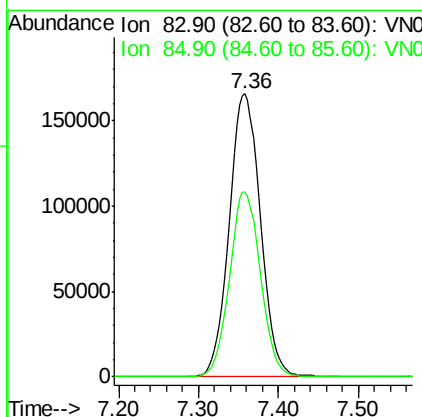
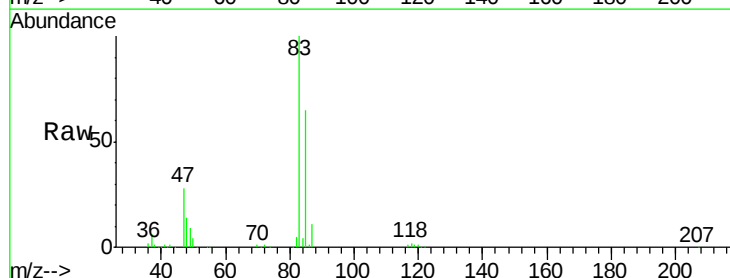
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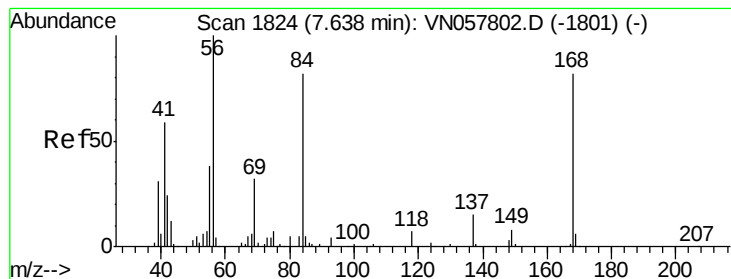
MMDadoda
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#30
Chloroform
Concen: 49.255 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	75.8





#31

Cyclohexane

Concen: 50.932 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

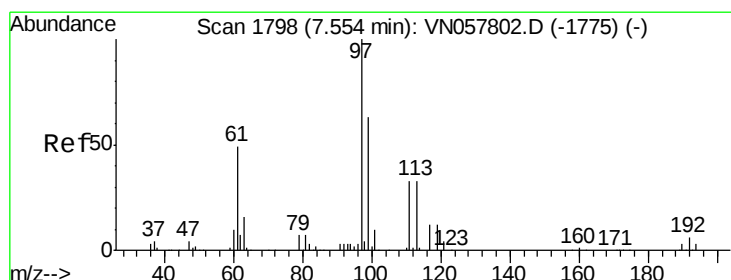
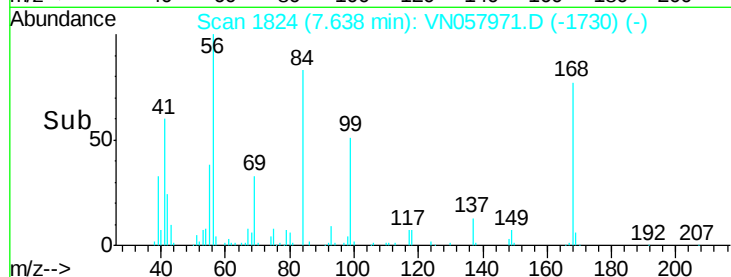
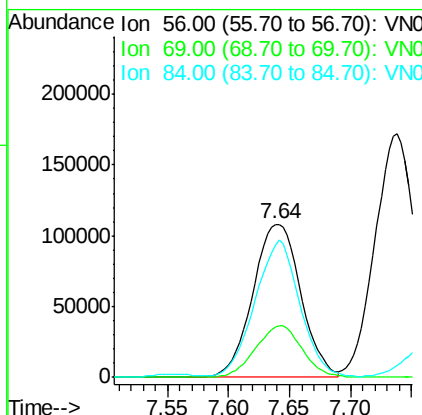
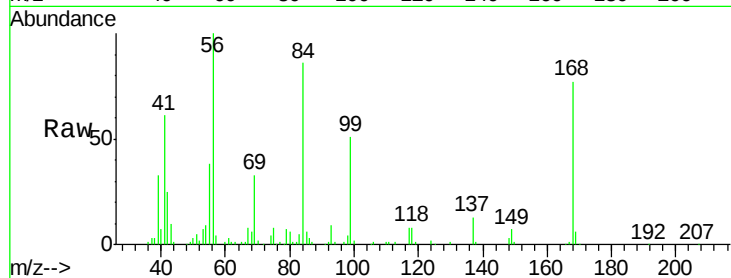
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		294801		
69	32.8	25.9	38.9		
84	84.7	65.6	98.4		

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#32

1,1,1-Trichloroethane

Concen: 49.293 ug/l

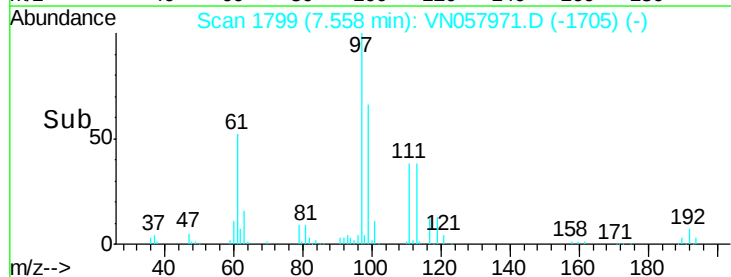
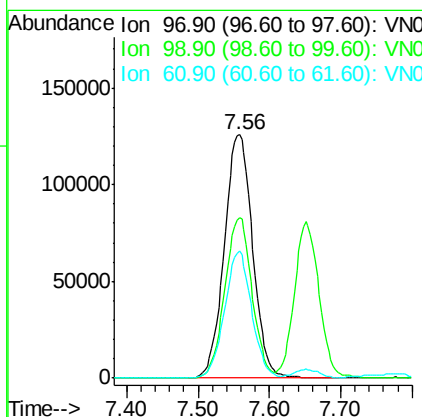
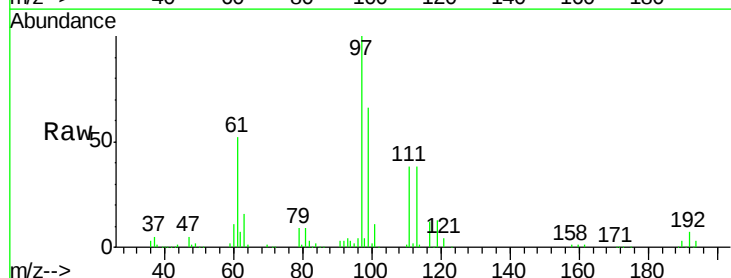
RT: 7.56 min Scan# 1799

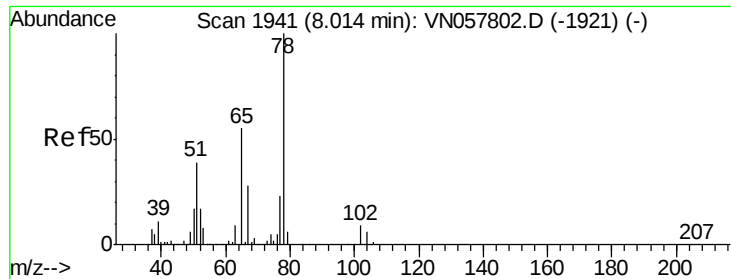
Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		347480		
99	63.1	51.0	76.4		
61	49.8	39.0	58.6		





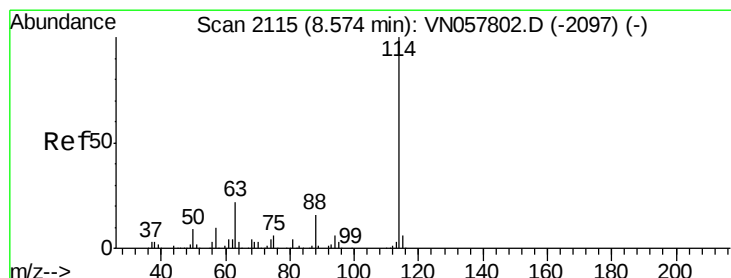
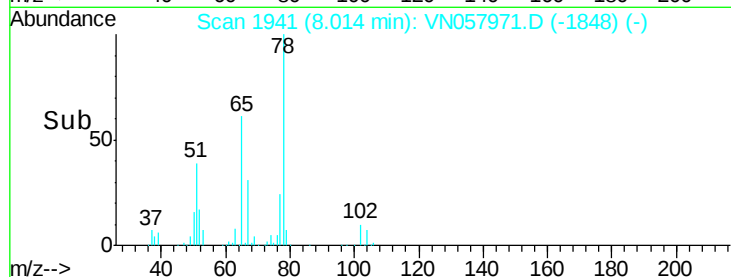
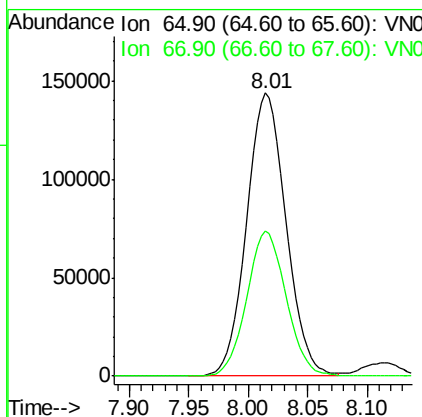
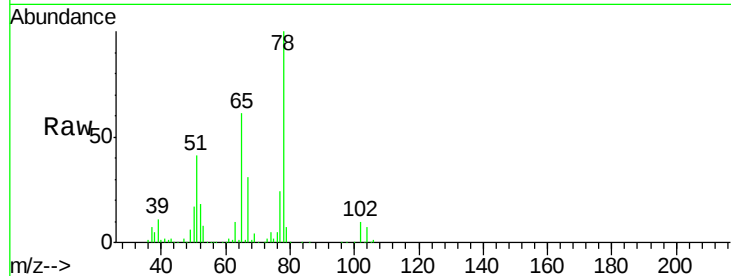
#33
 1,2-Dichloroethane-d4
 Concen: 51.182 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	329946		
67	51.0	0.0	104.0	

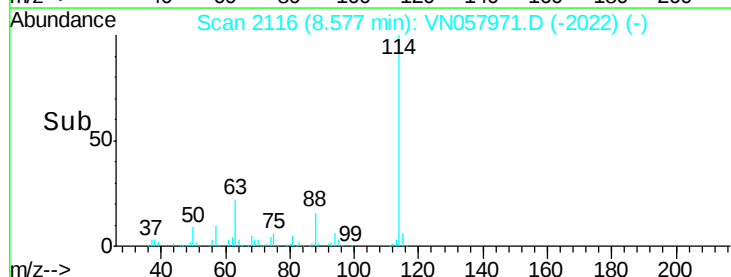
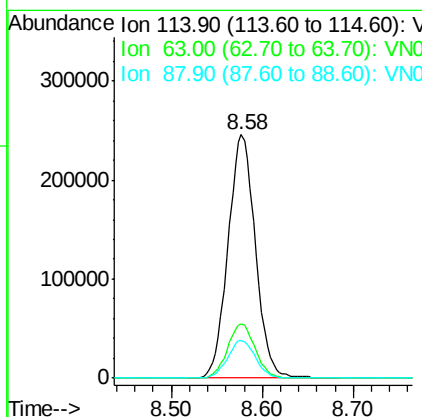
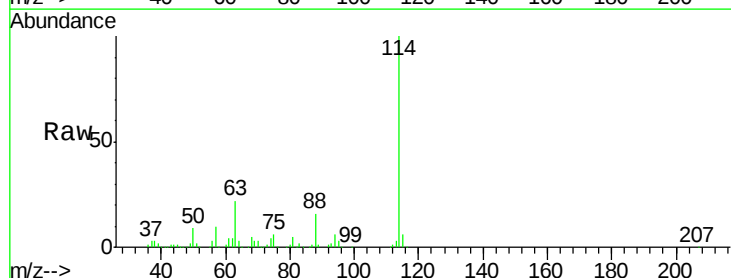
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	514029		
63	22.1	0.0	44.0	
88	15.6	0.0	31.4	





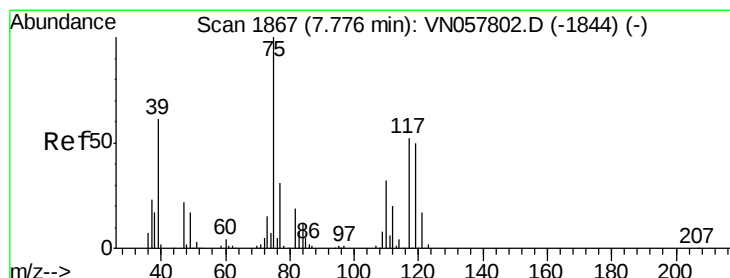
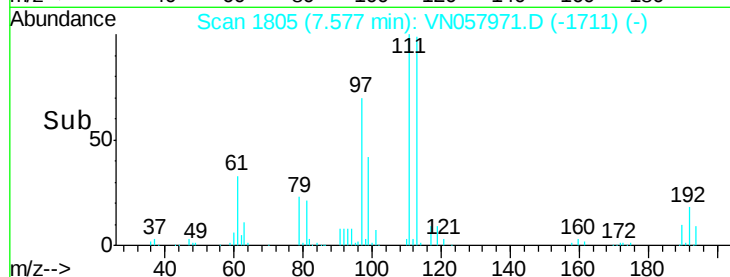
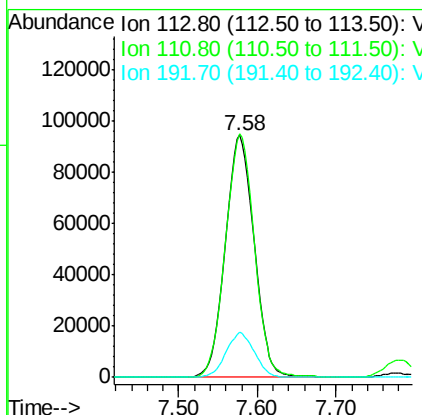
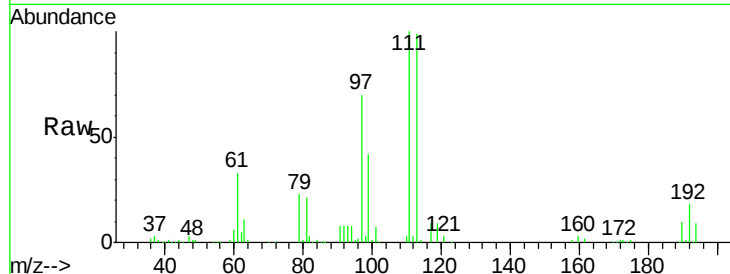
#35
Dibromofluoromethane
Concen: 50.535 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	239751		
111	100.7	81.3	121.9	
192	18.1	14.6	22.0	

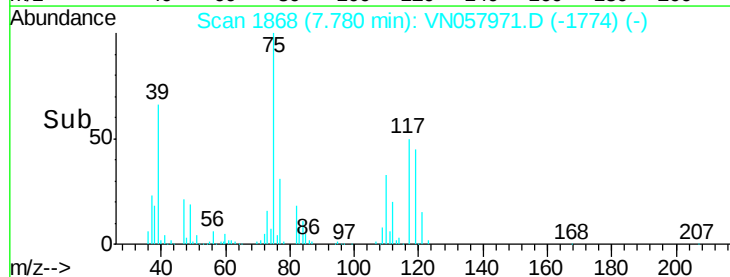
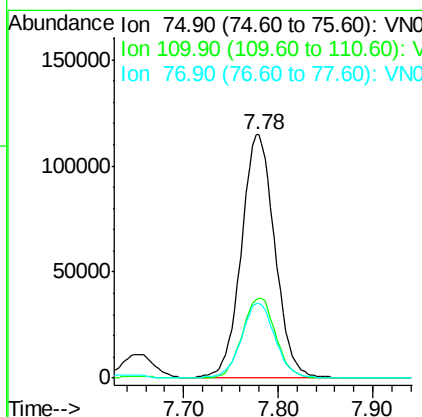
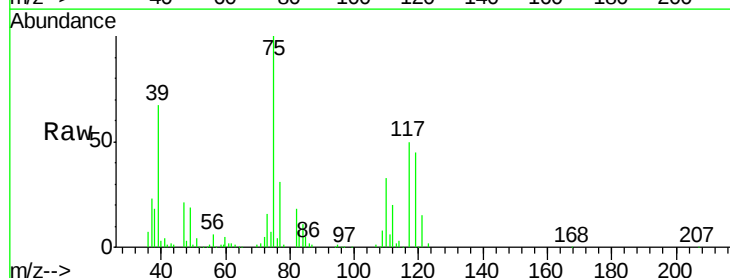
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 47.025 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	280334		
110	32.9	16.3	48.9	
77	31.3	25.0	37.4	





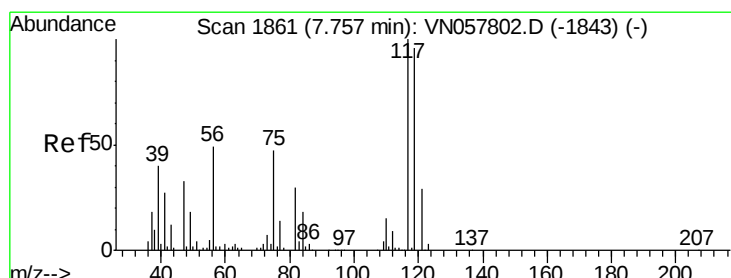
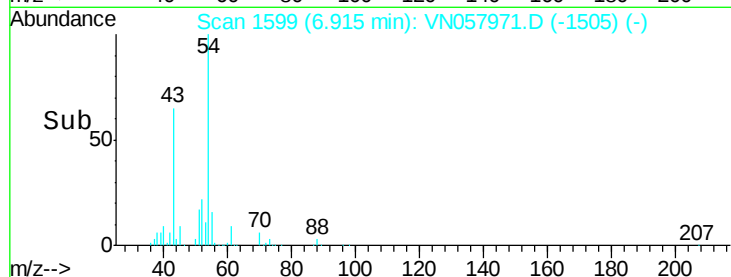
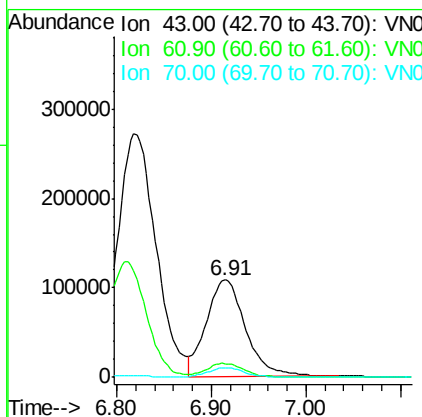
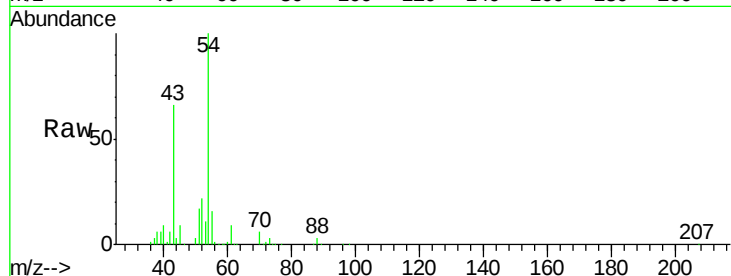
#37
Ethyl Acetate
Concen: 50.723 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.1	10.5	15.7	
70	9.4	7.4	11.0	

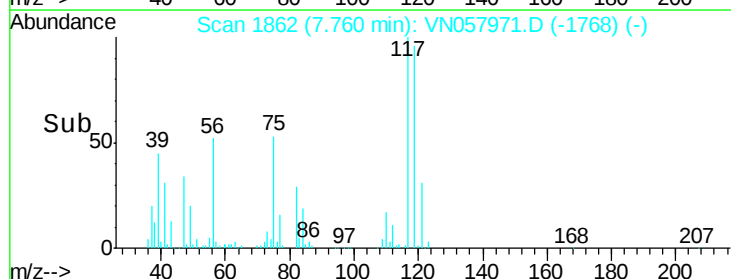
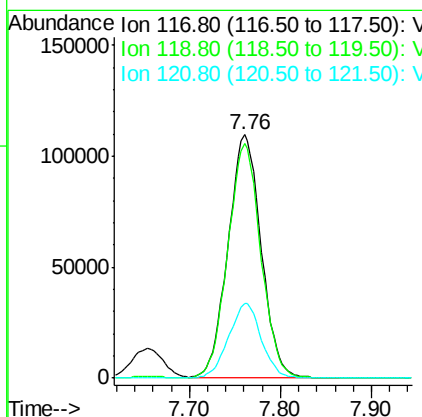
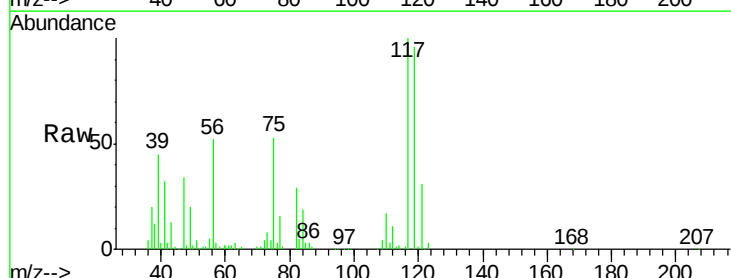
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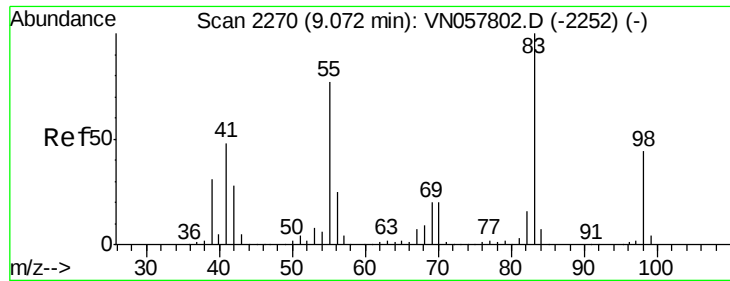
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#38
Carbon Tetrachloride
Concen: 51.041 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.0	76.9	115.3	
121	30.7	23.4	35.2	





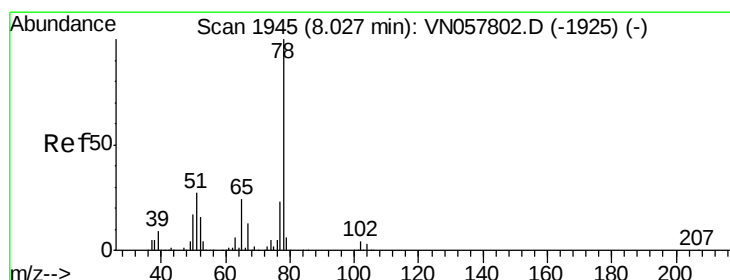
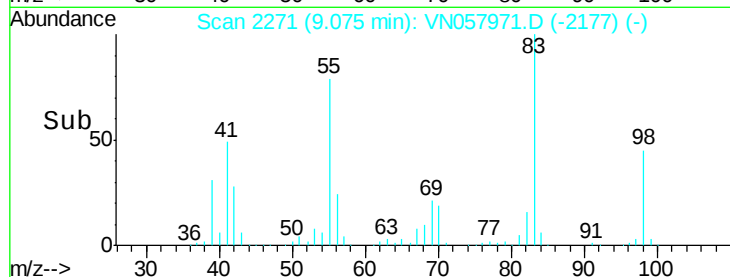
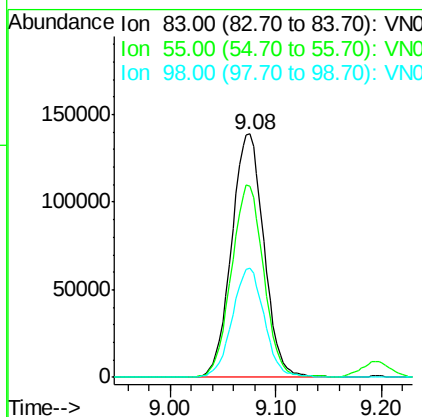
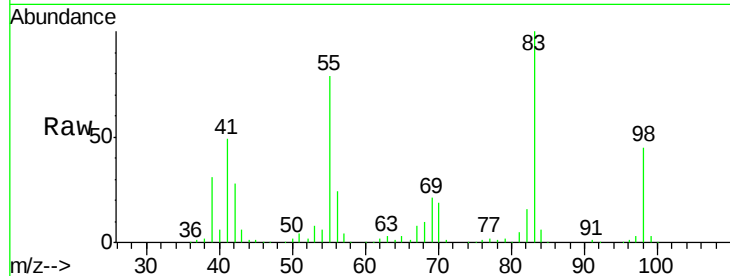
#39
Methvlcvclohexane
Concen: 47.298 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	296405		
55	78.6	61.6	92.4	
98	44.9	34.9	52.3	

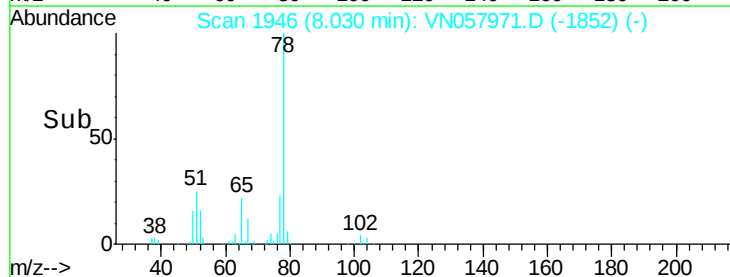
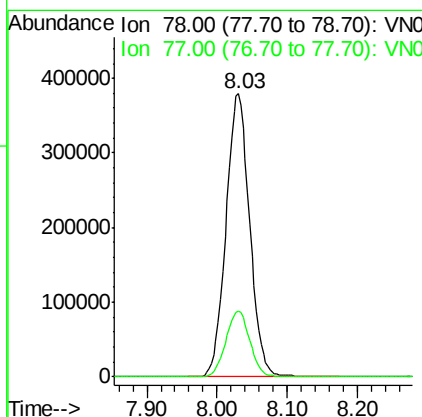
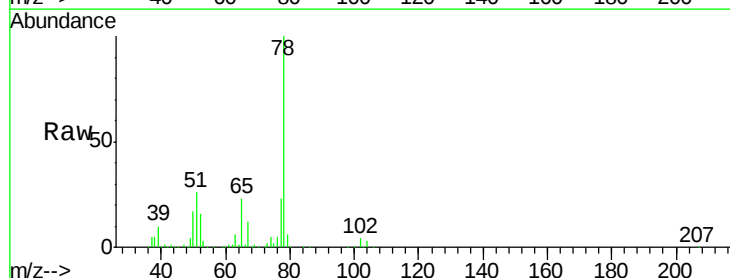
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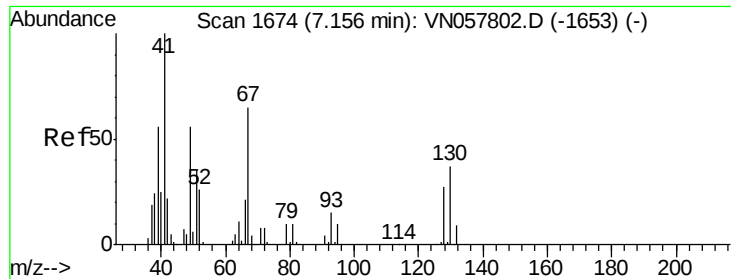
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#40
Benzene
Concen: 49.608 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	890342		
77	23.2	18.3	27.5	





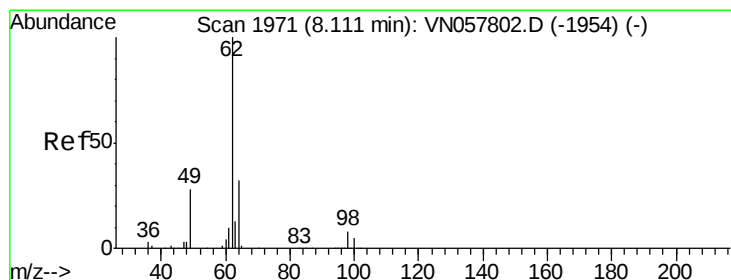
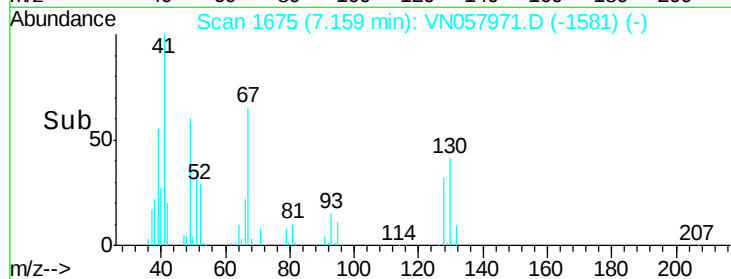
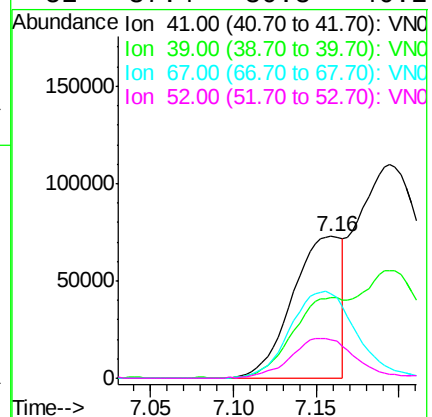
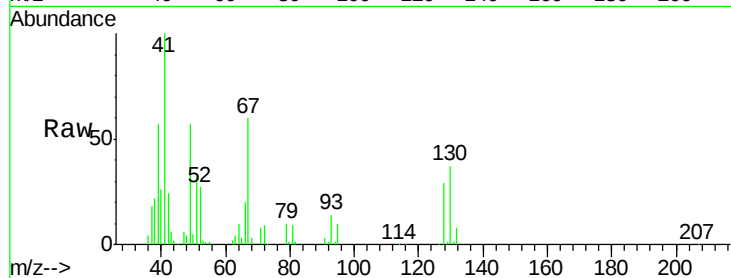
#41
Methacrylonitrile
Concen: 54.202 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	151543
Ion	Ratio	Lower	Upper
41	100		
39	61.3	51.0	76.6
67	82.6	70.7	106.1
52	37.4	30.8	46.2

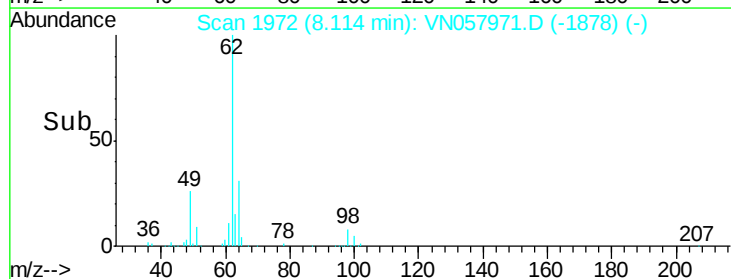
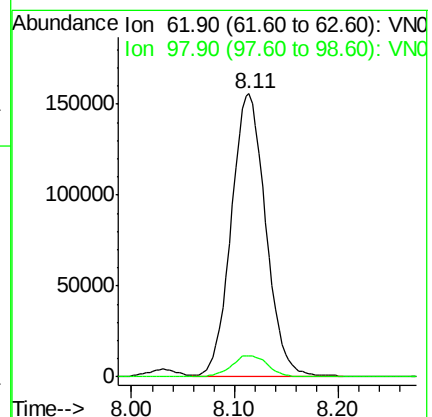
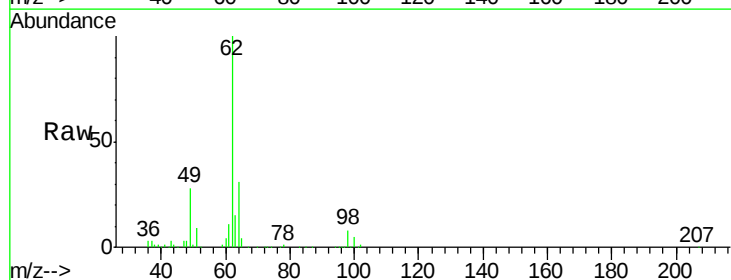
Manual Integrations
APPROVED

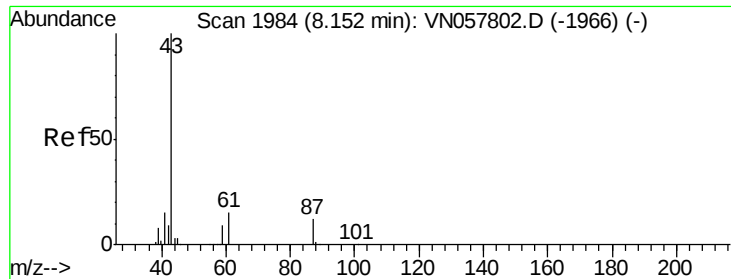
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.276 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	62	Resp	360878
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 52.663 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

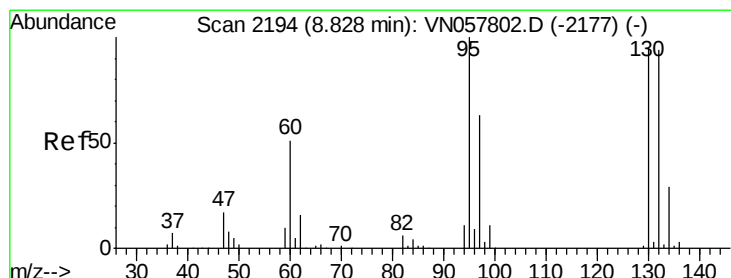
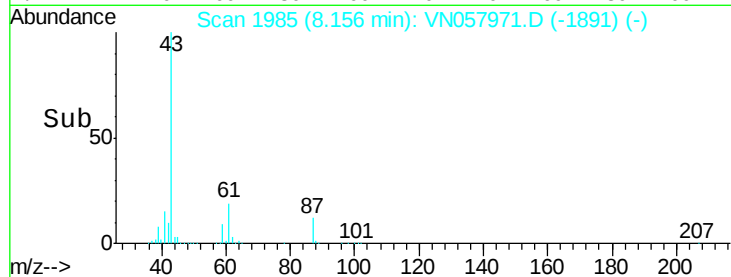
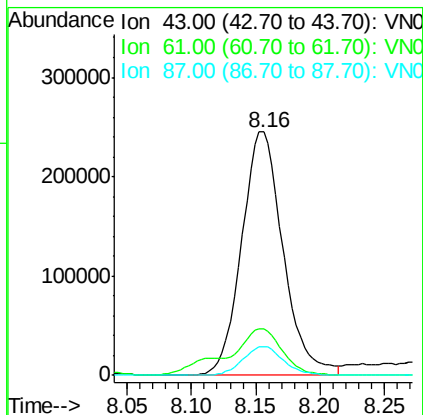
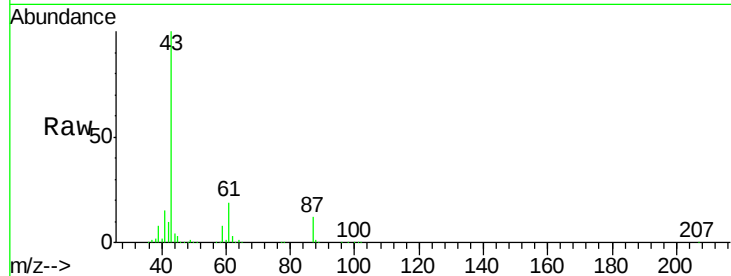
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	545474
Ion Ratio	Lower	Upper	
43	100		
61	18.8	20.1	30.1#
87	11.7	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 48.421 ug/l

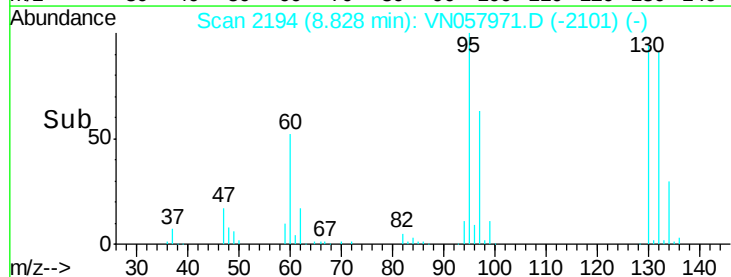
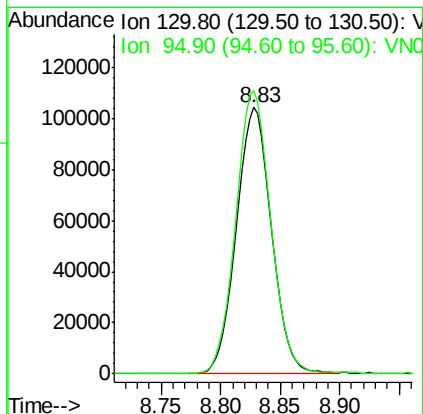
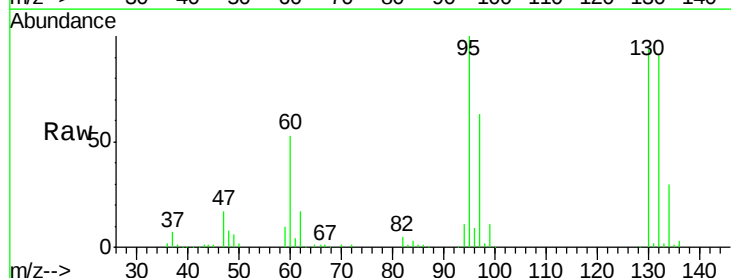
RT: 8.83 min Scan# 2194

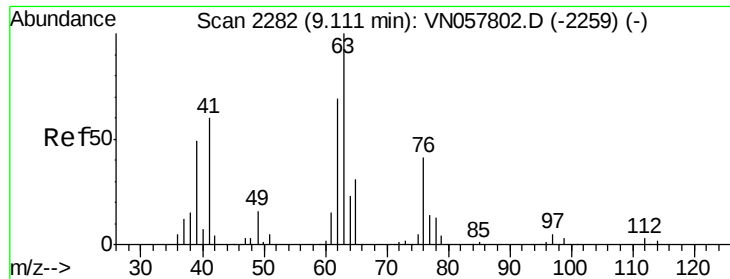
Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion:	130	Resp:	213151
Ion Ratio	Lower	Upper	
130	100		
95	106.3	0.0	211.4





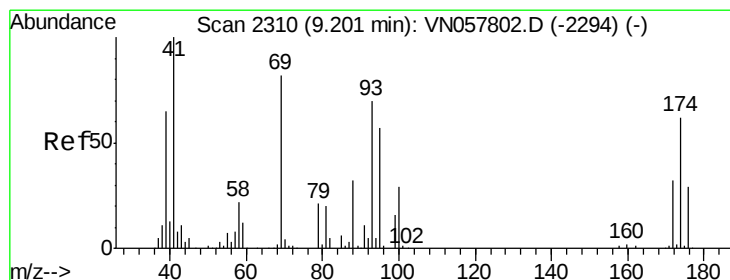
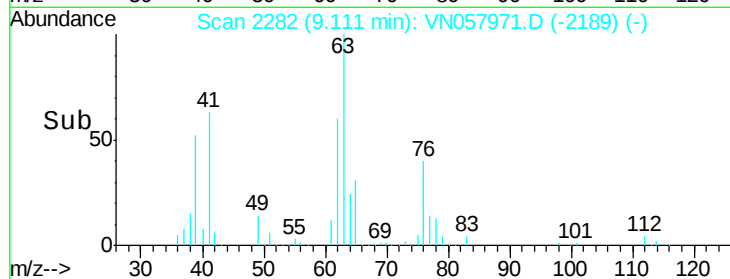
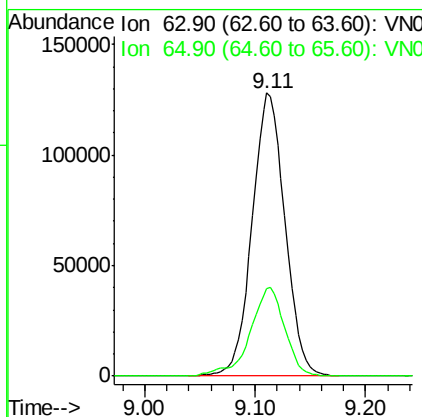
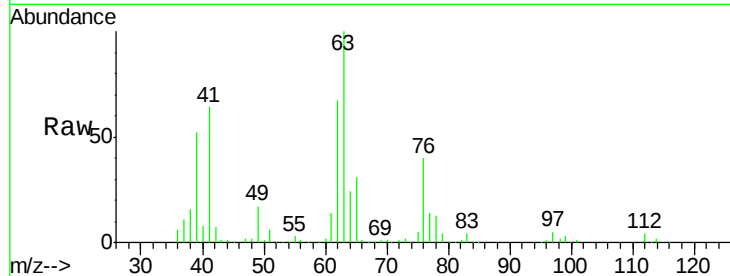
#45
 1,2-Dichloropropane
 Concen: 50.538 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.8	37.2

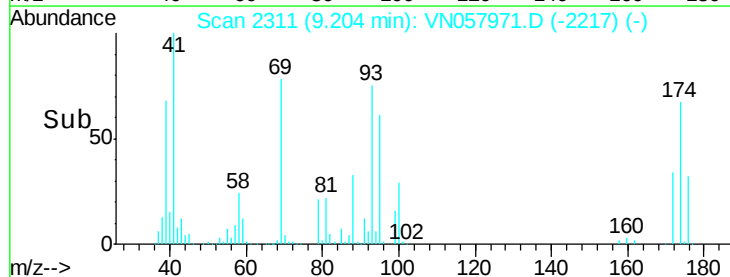
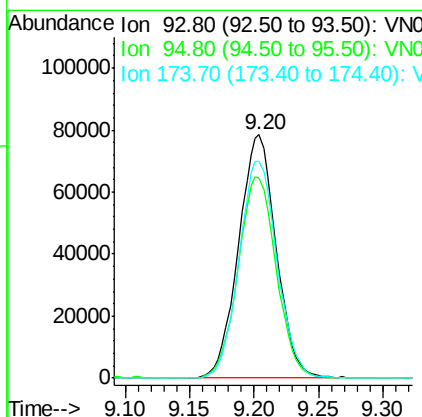
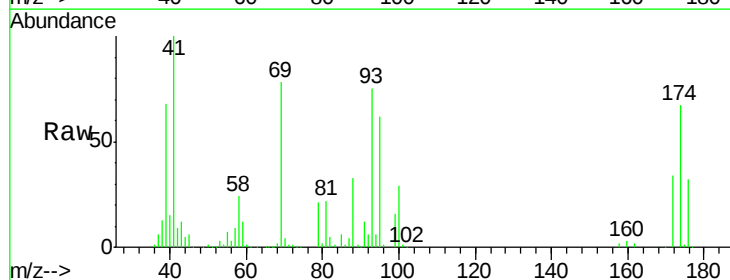
Manual Integrations
 APPROVED

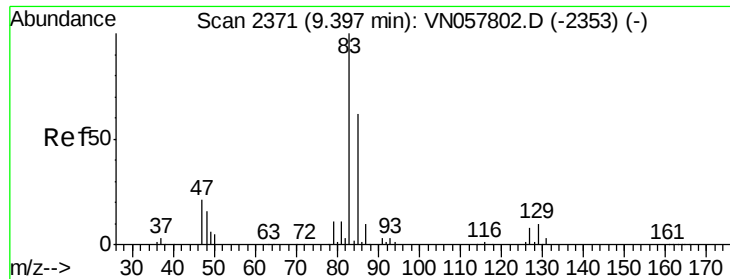
MMDadoda
 9/13/2019 1:05:44 PM



#46
 Dibromomethane
 Concen: 50.435 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	65.9	98.9
174	90.4	71.8	107.6





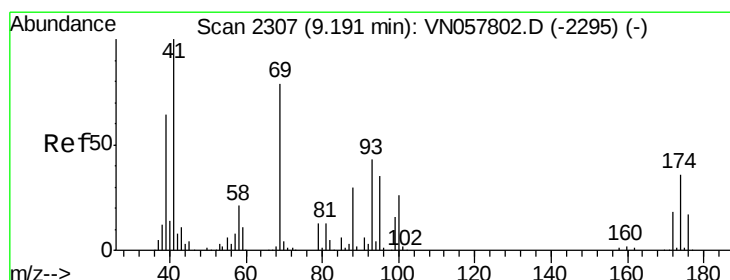
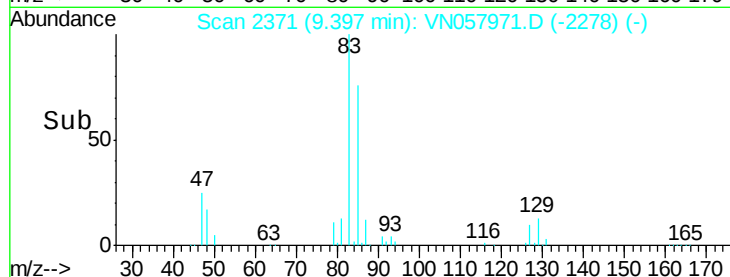
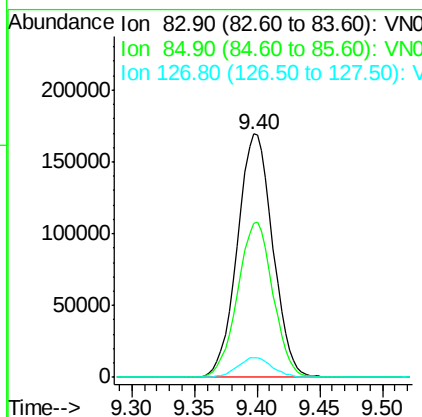
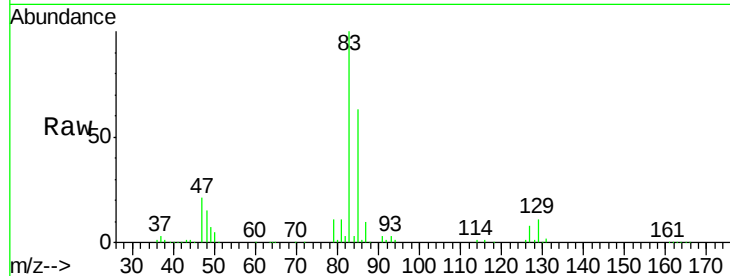
#47
Bromodichloromethane
Concen: 52.904 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	83	Resp:	333394
Ion Ratio	Lower	Upper	
83	100		
85	63.1	49.9	74.9
127	8.2	6.5	9.7

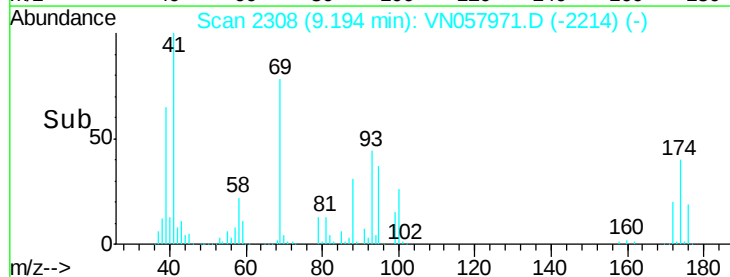
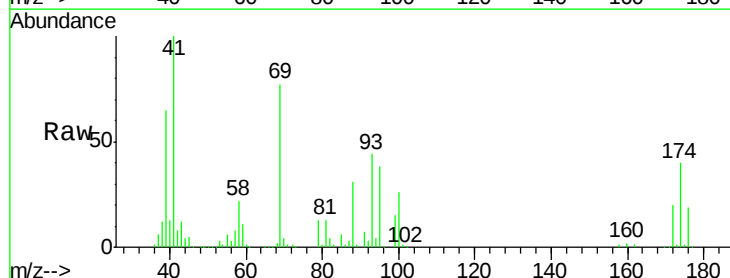
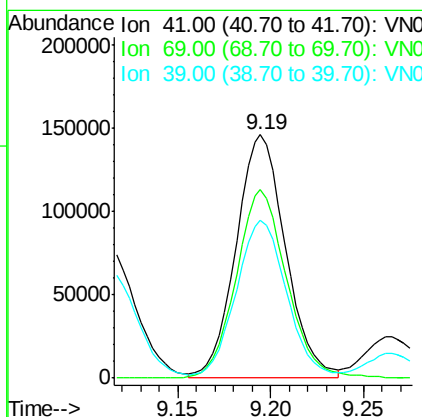
Manual Integrations
APPROVED

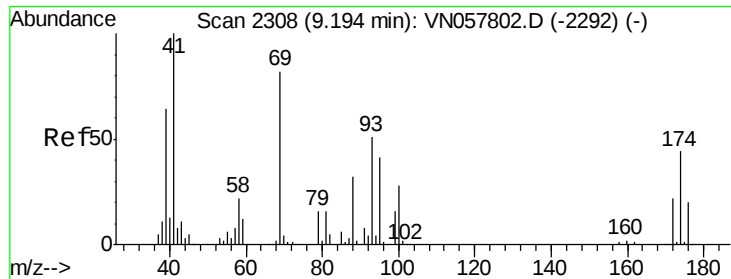
MMDadoda
9/13/2019 1:05:44 PM



#48
Methyl methacrylate
Concen: 51.235 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion:	41	Resp:	269195
Ion Ratio	Lower	Upper	
41	100		
69	79.4	62.7	94.1
39	66.3	52.7	79.1





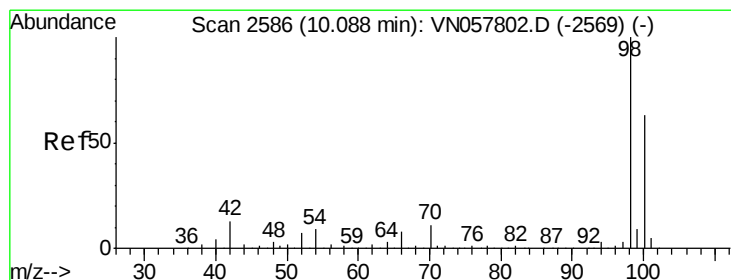
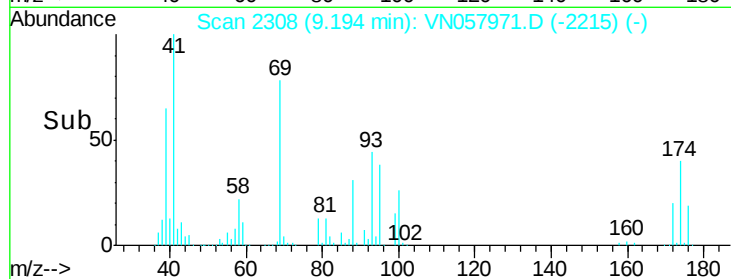
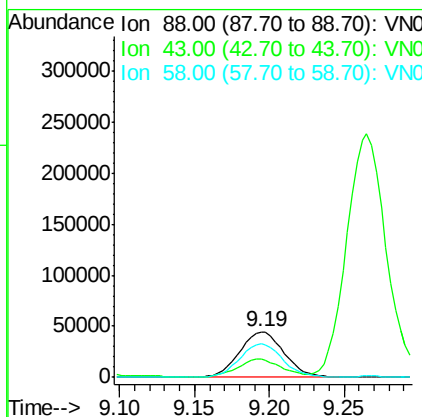
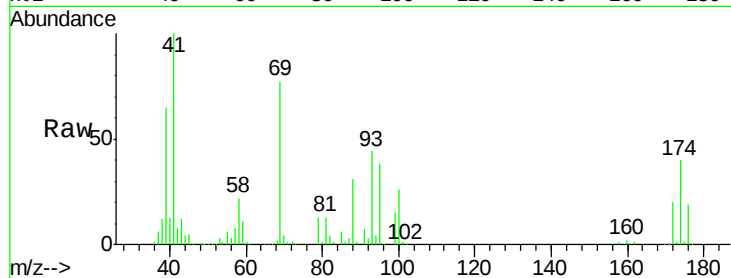
#49
1,4-Dioxane
Concen: 1031.645 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	28.5	42.7
58	71.4	55.8	83.6

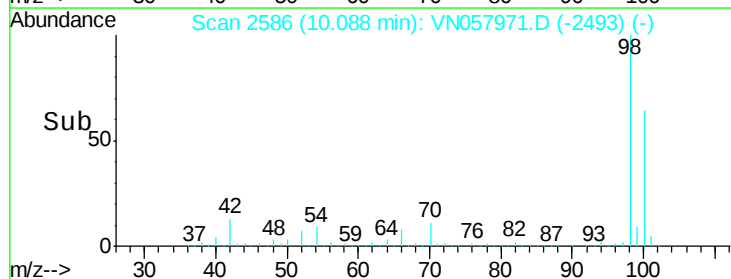
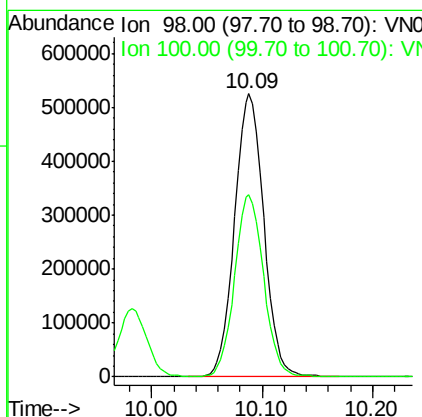
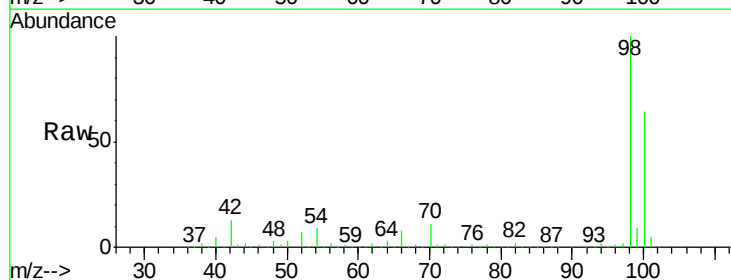
Manual Integrations
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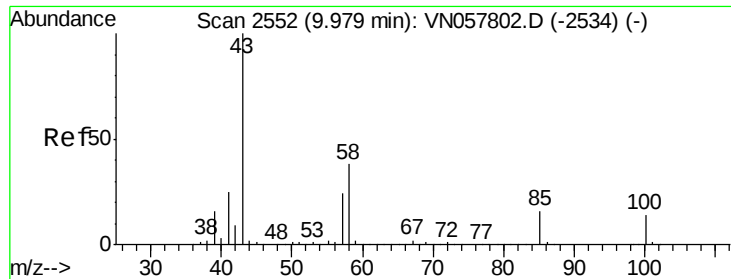
MMDadoda
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#50
Toluene-d8
Concen: 52.322 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 284.808 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1745710

Ion Ratio Lower Upper

43 100

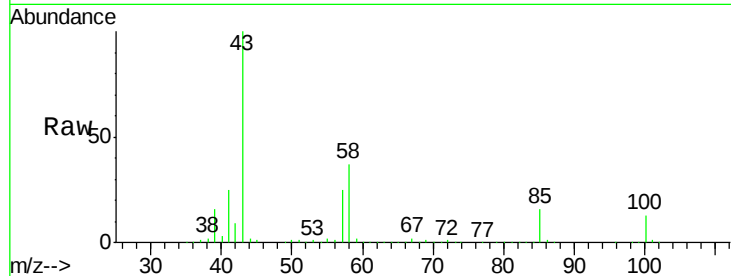
58 37.0 29.8 44.6

Manual Integrations

APPROVED

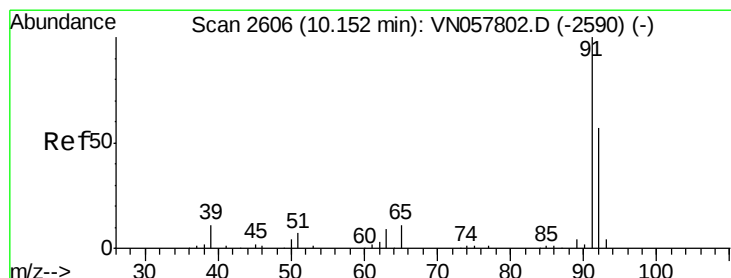
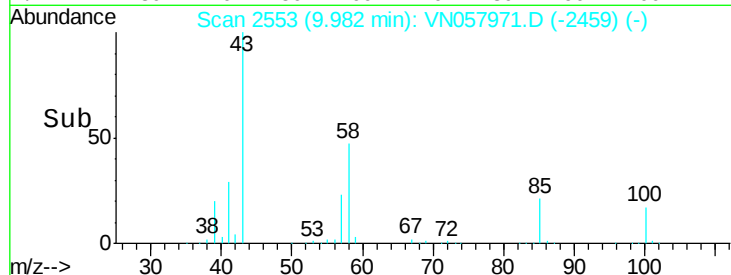
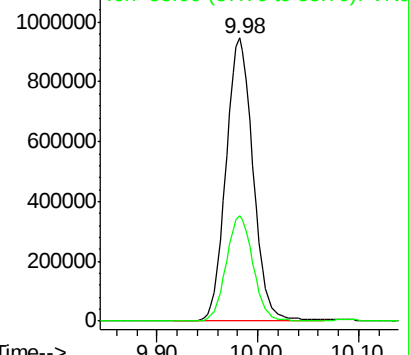
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.068 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057971.D

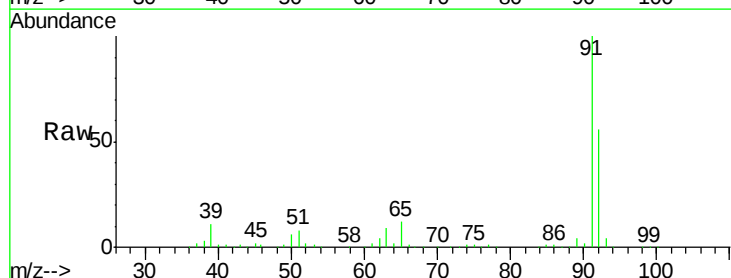
Acq: 12 Sep 2019 15:13

Tgt Ion: 92 Resp: 565973

Ion Ratio Lower Upper

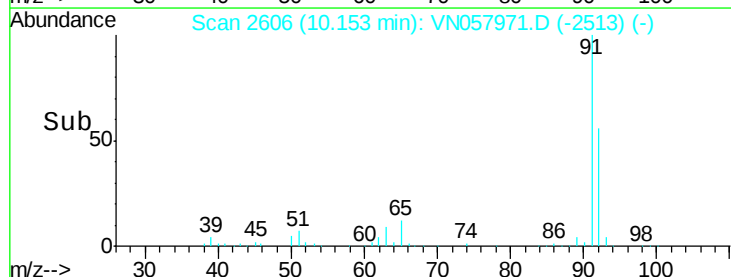
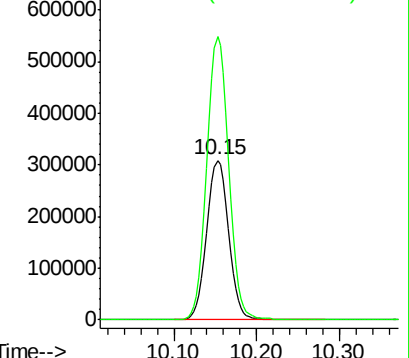
92 100

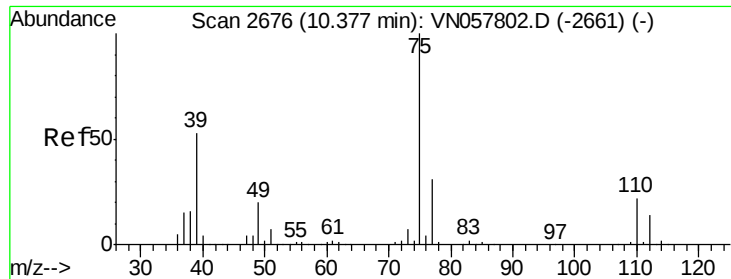
91 176.5 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





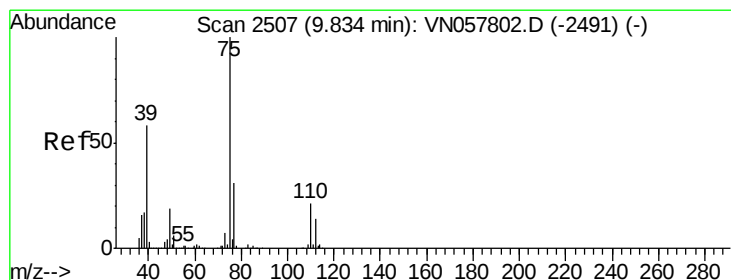
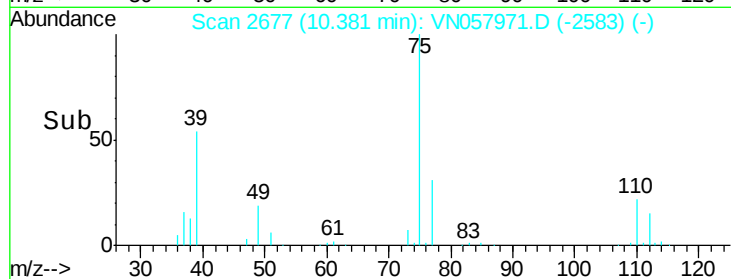
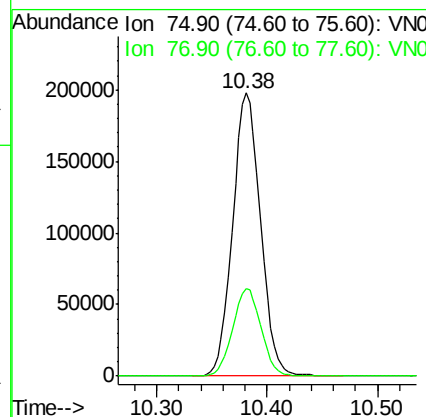
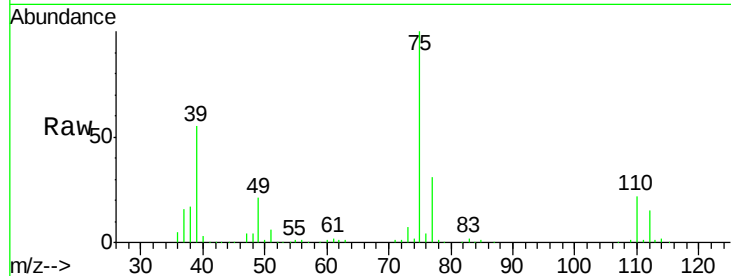
#53
t-1,3-Dichloropropene
Concen: 52.205 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 346451
Ion Ratio Lower Upper
75 100
77 30.8 24.5 36.7

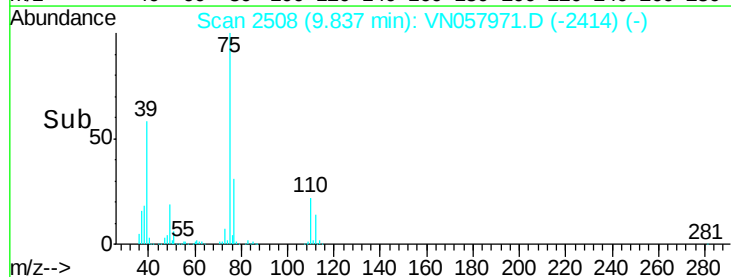
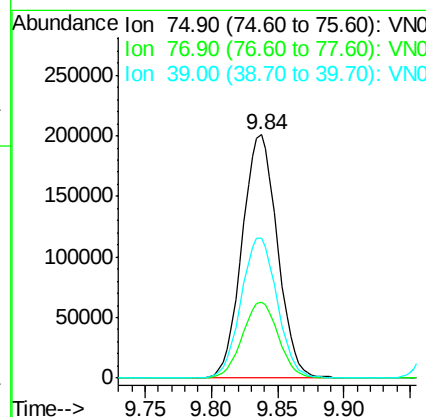
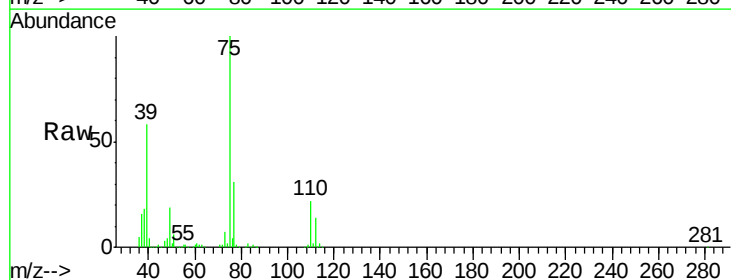
Manual Integrations
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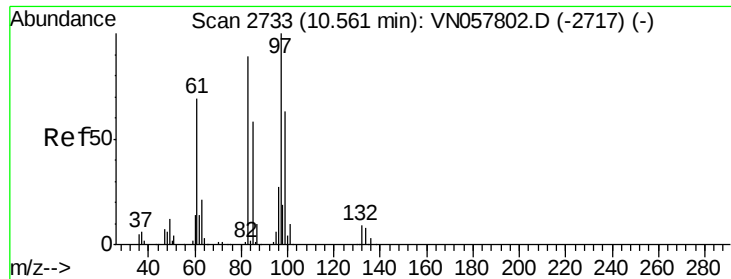
MMDadoda
9/13/2019 1:05:44 PM



#54
cis-1,3-Dichloropropene
Concen: 50.916 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion: 75 Resp: 373058
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 57.5 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 51.869 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

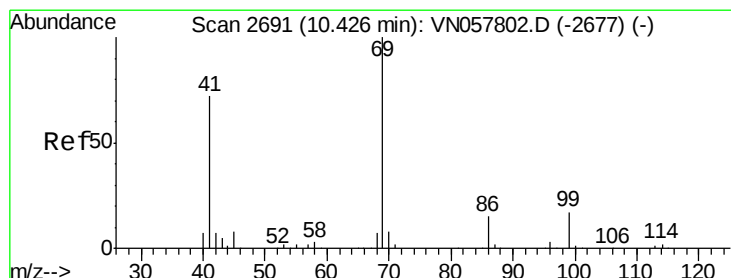
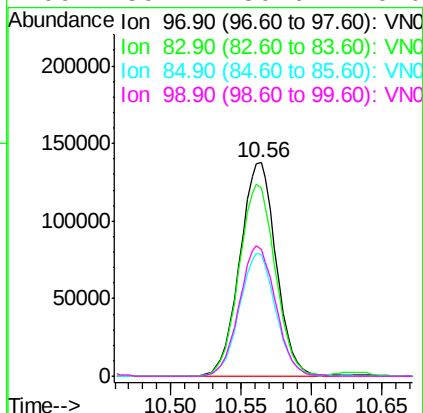
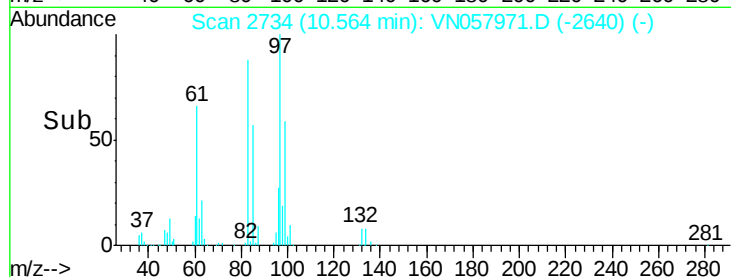
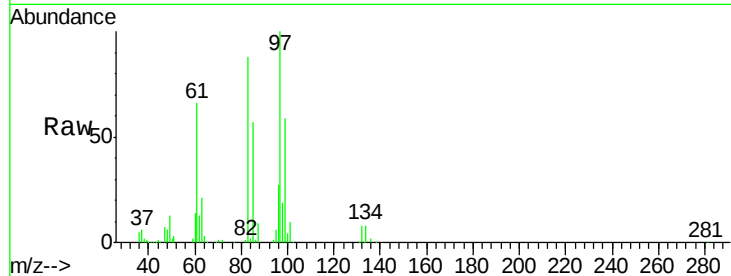
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	248366
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.8	106.2
85	57.0	46.0	69.0
99	59.1	50.6	76.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.342 ug/l

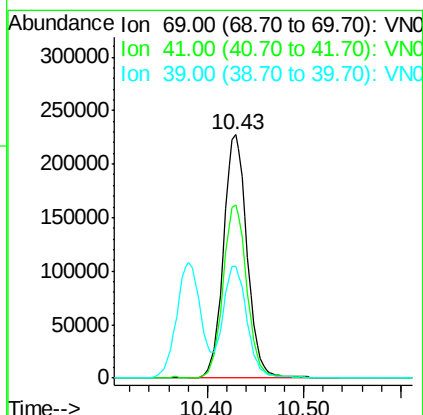
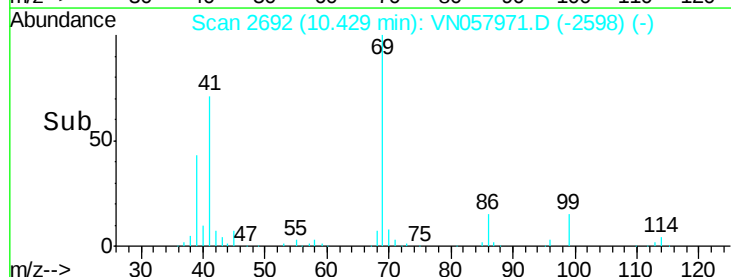
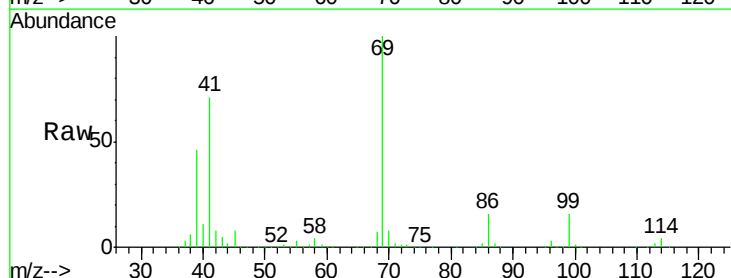
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion:	69	Resp:	384629
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.7	85.1
39	46.7	36.3	54.5





#57

1,3-Dichloropropane

Concen: 51.191 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 422425

Ion Ratio Lower Upper

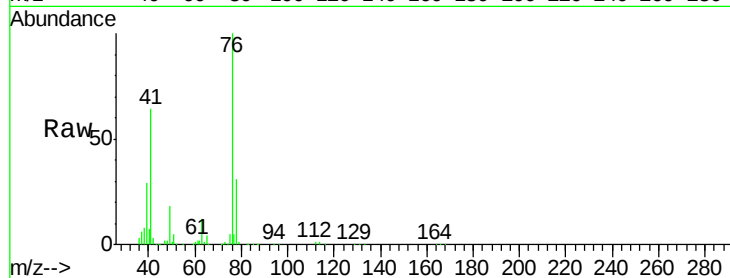
76 100

78 32.4 25.4 38.2

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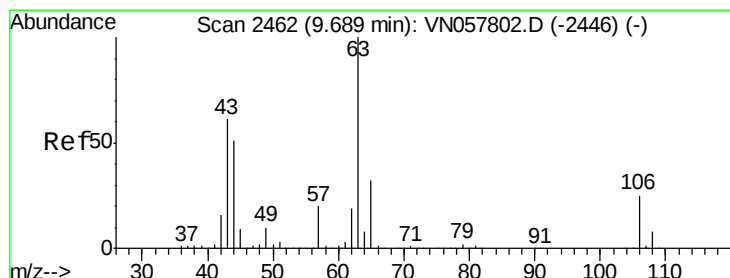
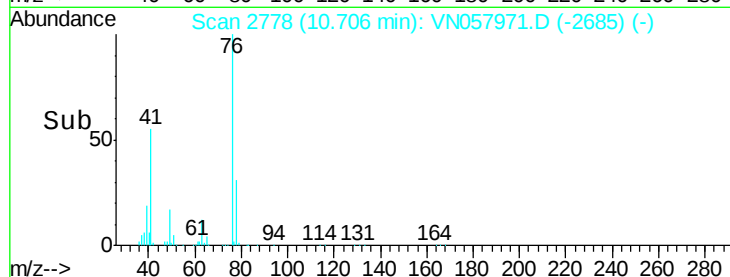
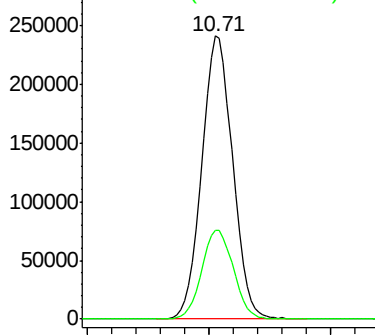
MMDadoda

9/13/2019 1:05:44 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 260.175 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057971.D

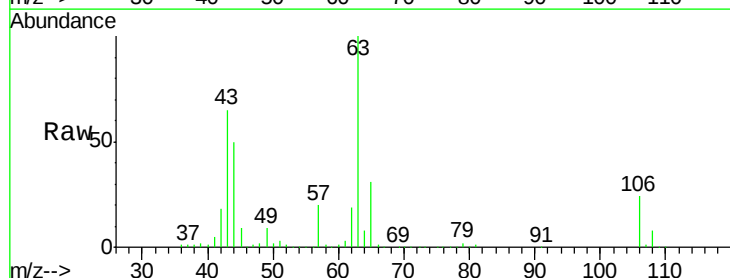
Acq: 12 Sep 2019 15:13

Tgt Ion: 63 Resp: 883596

Ion Ratio Lower Upper

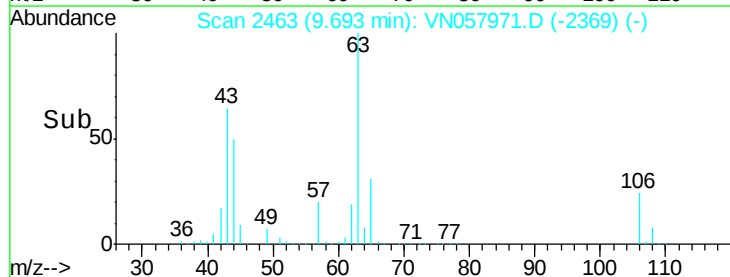
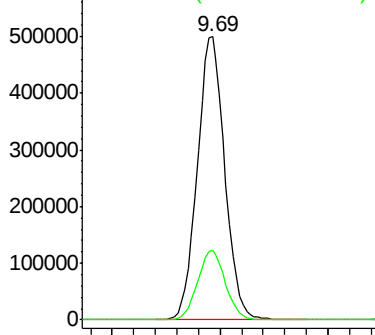
63 100

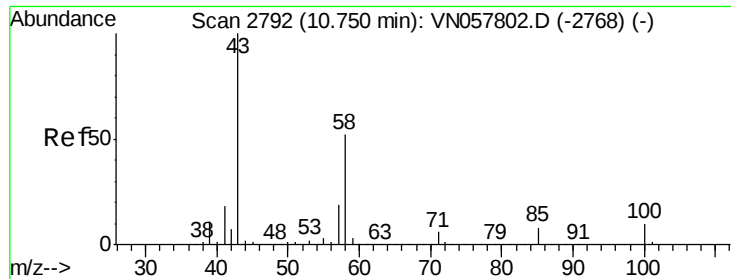
106 24.9 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





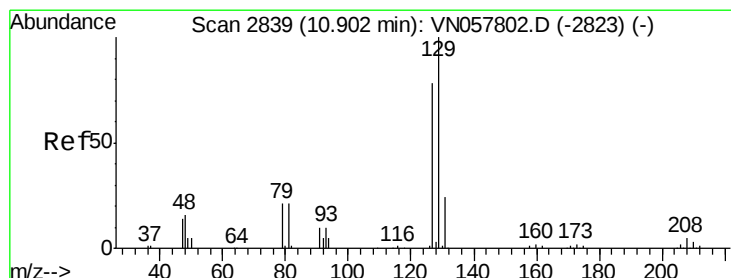
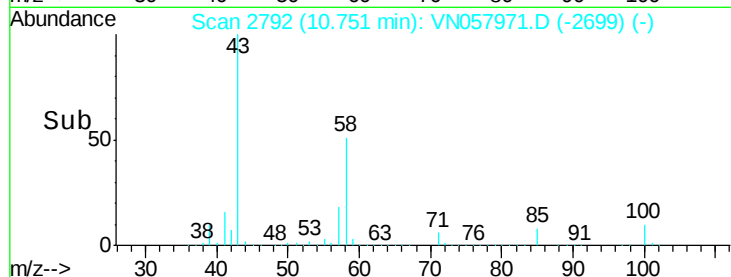
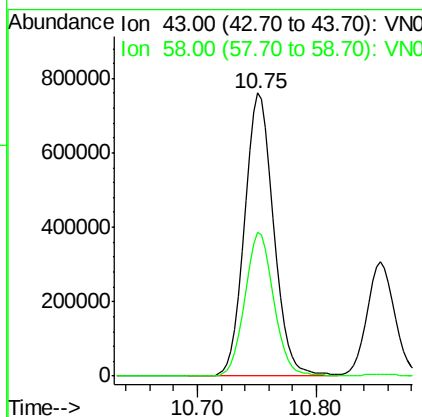
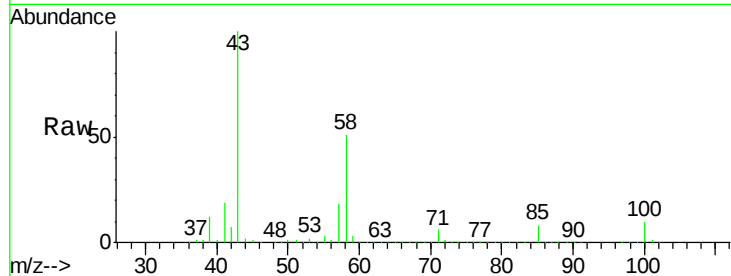
#59
2-Hexanone
Concen: 279.420 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1283720
Ion Ratio Lower Upper
43 100
58 50.5 25.6 76.8

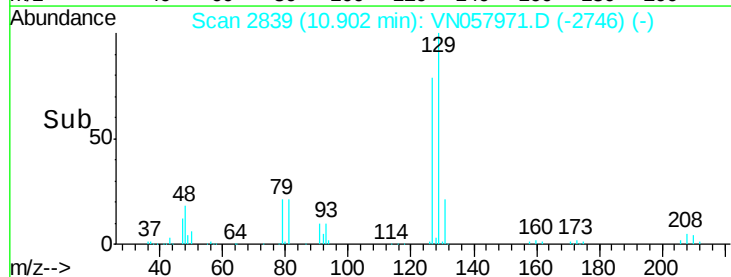
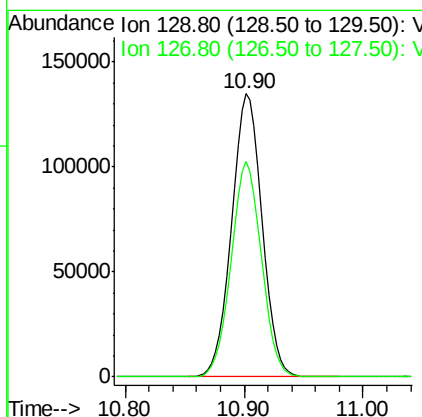
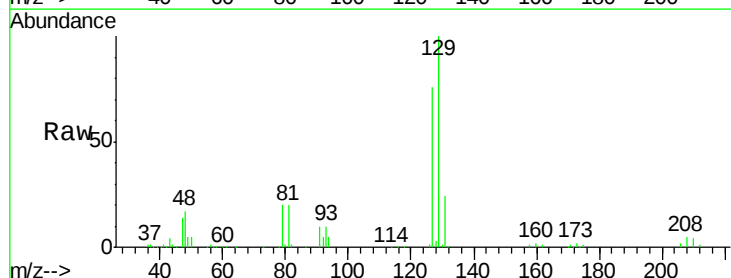
Manual Integrations
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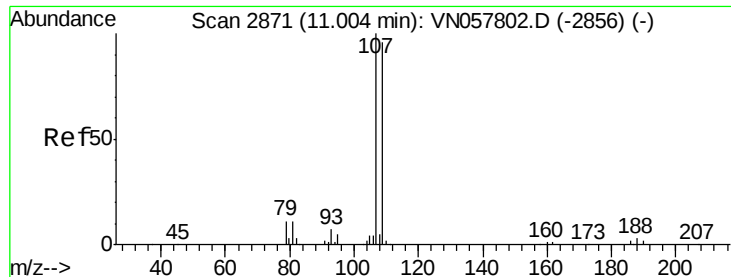
MMDadoda
9/13/2019 1:05:44 PM



#60
Dibromochloromethane
Concen: 53.781 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion: 129 Resp: 239131
Ion Ratio Lower Upper
129 100
127 75.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.456 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 232933

Ion Ratio Lower Upper

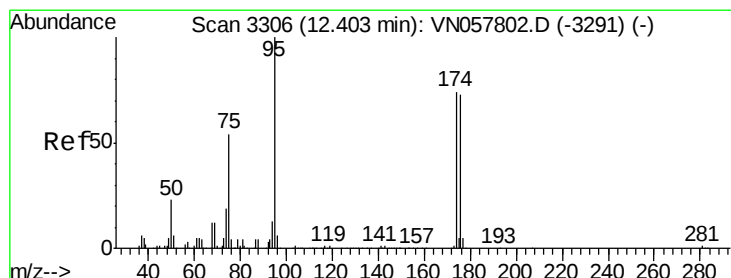
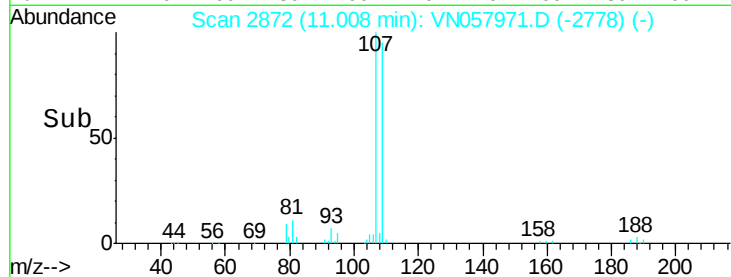
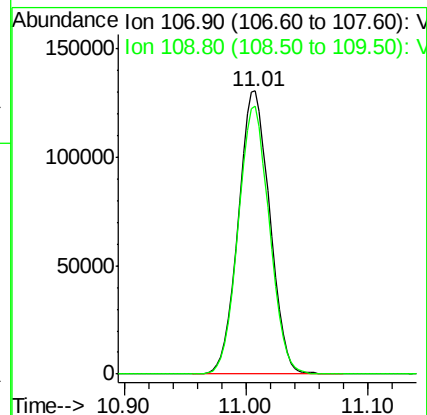
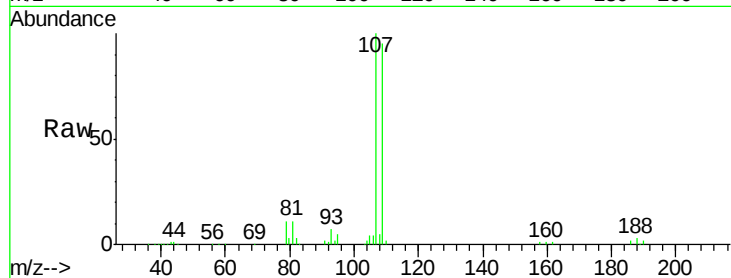
107 100

109 93.8 75.3 112.9

Manual Integrations
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MMDadoda

9/13/2019 1:05:44 PM



#62

4-Bromofluorobenzene

Concen: 50.411 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

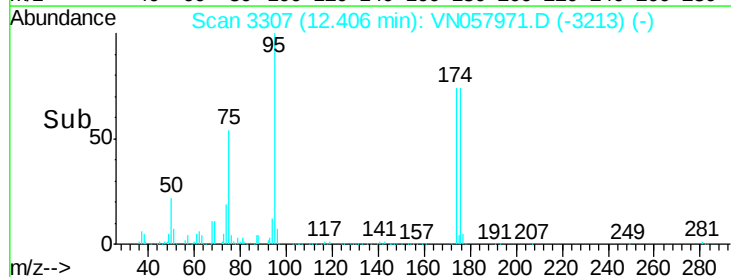
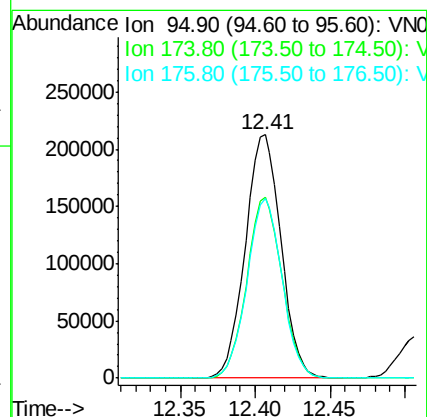
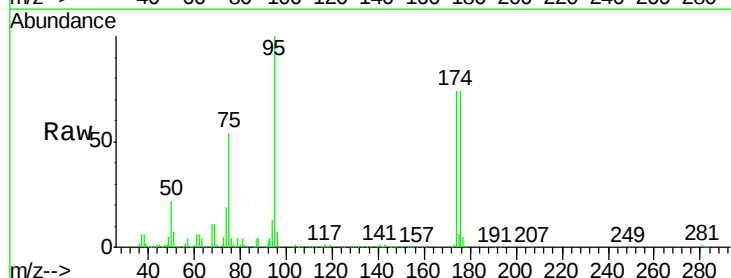
Tgt Ion: 95 Resp: 353866

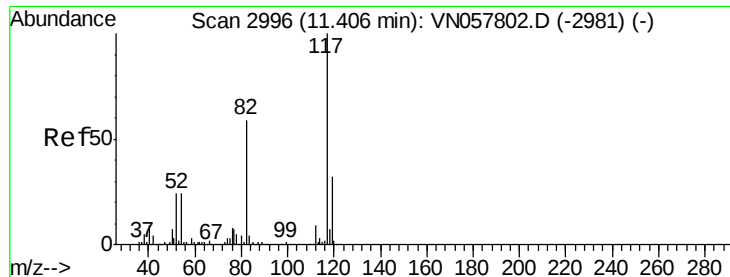
Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.2

176 72.2 0.0 146.0





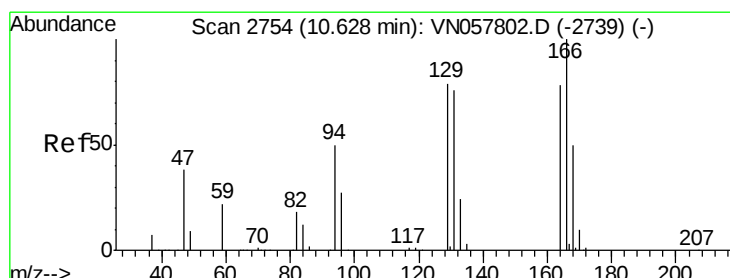
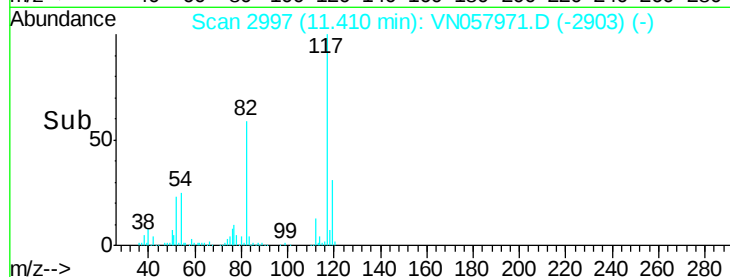
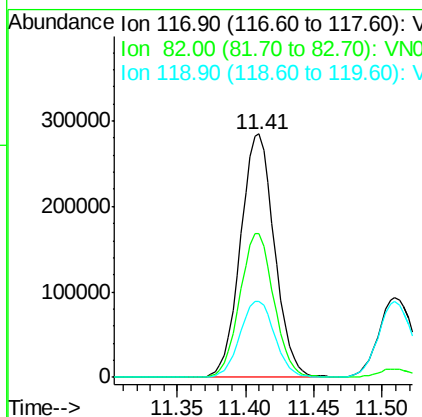
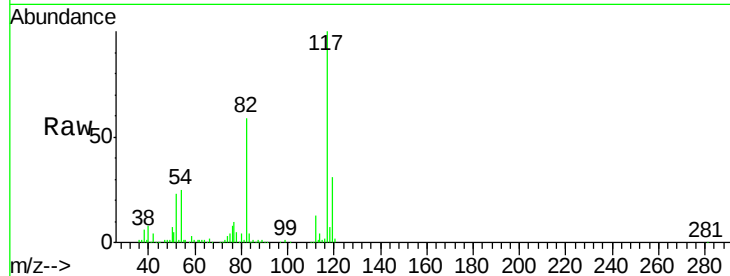
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	492705		
82	59.0		47.2	70.8
119	31.4		25.3	37.9

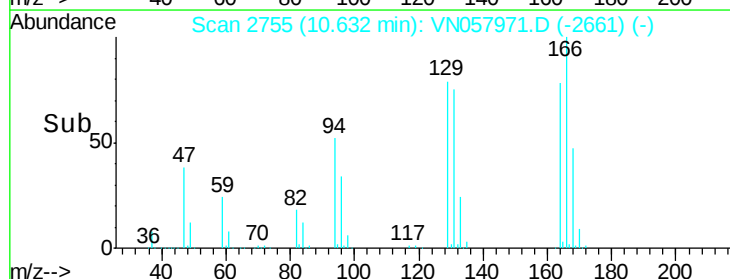
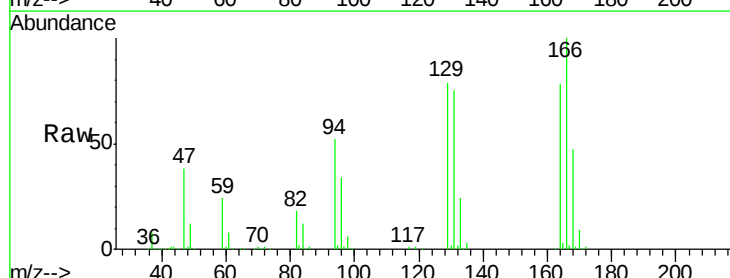
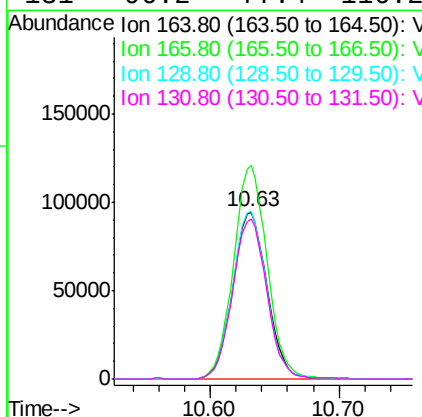
Manual Integrations
APPROVED

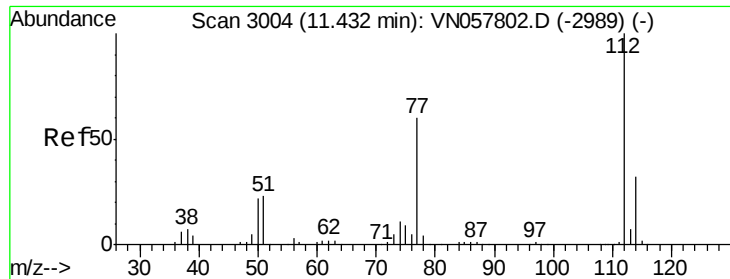
MMDadoda
9/13/2019 1:05:44 PM



#64
Tetrachloroethene
Concen: 48.061 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	174842		
166	128.2		102.2	153.2
129	100.9		80.8	121.2
131	96.2		77.4	116.2





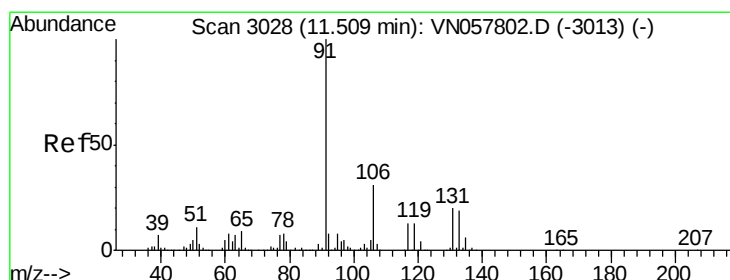
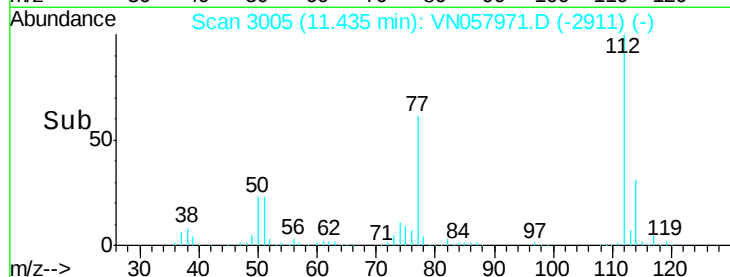
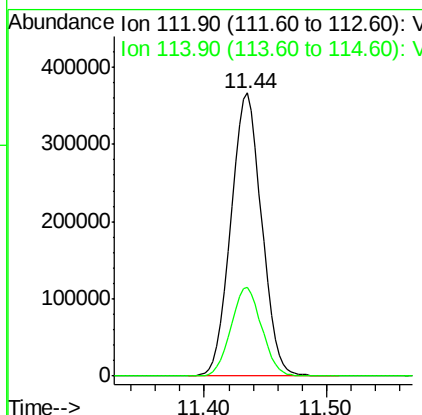
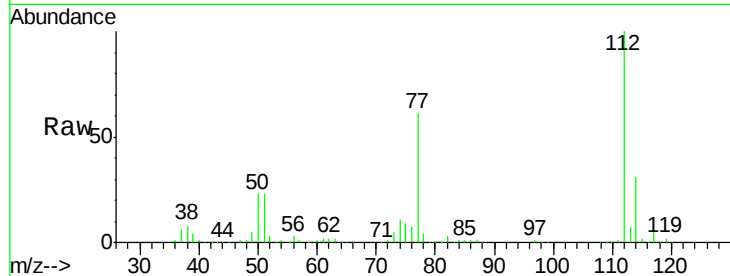
#65
Chlorobenzene
Concen: 49.879 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 643165
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8

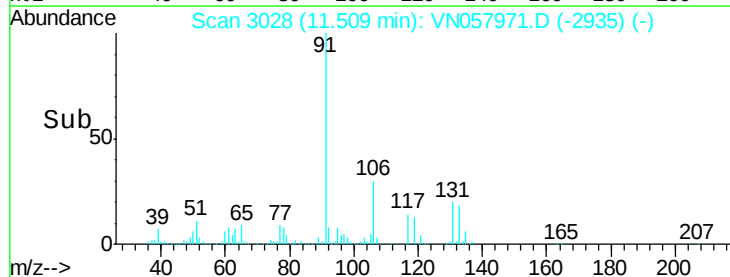
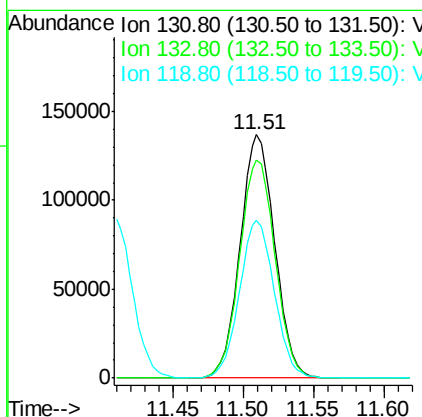
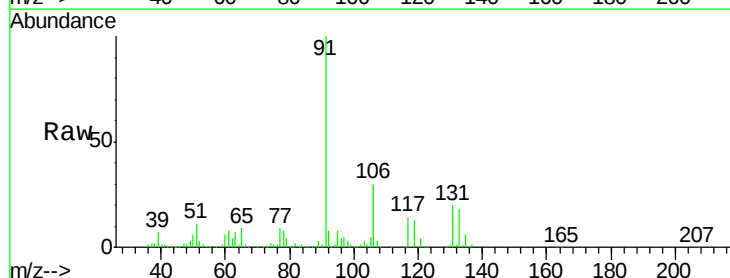
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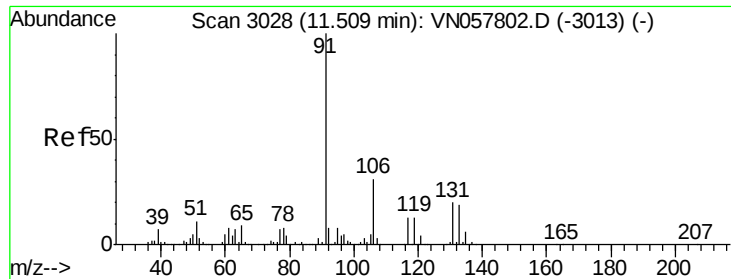
MMDadoda
9/13/2019 1:05:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.650 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion:131 Resp: 235571
Ion Ratio Lower Upper
131 100
133 92.1 47.1 141.3
119 65.3 33.3 99.8





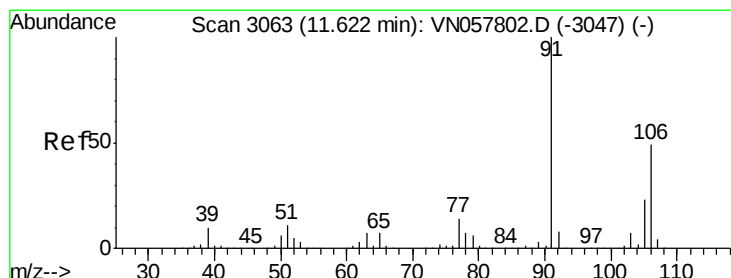
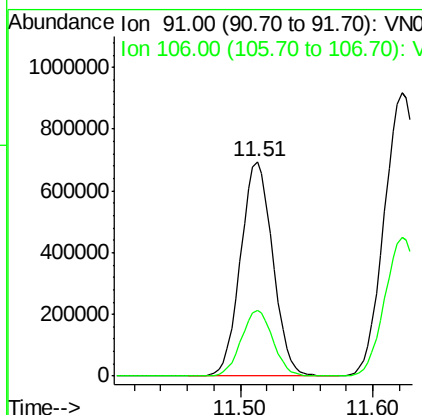
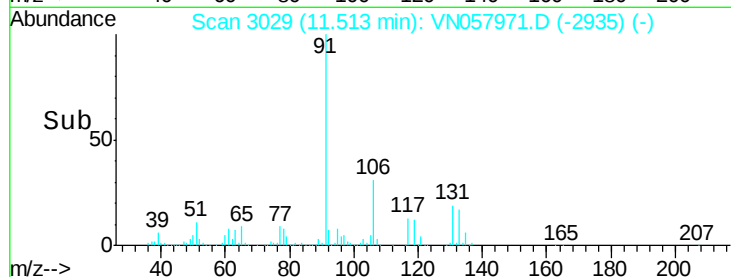
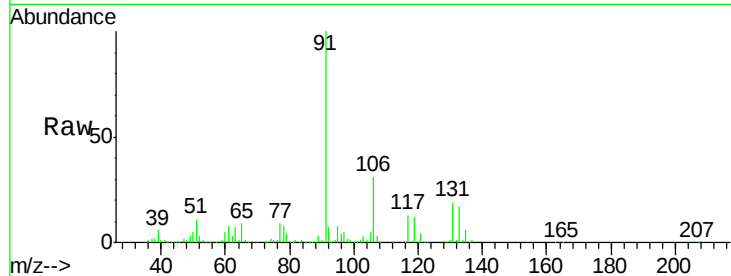
#67
Ethyl Benzene
Concen: 51.712 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1168584
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6

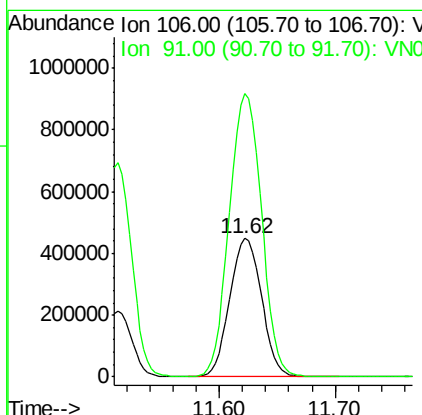
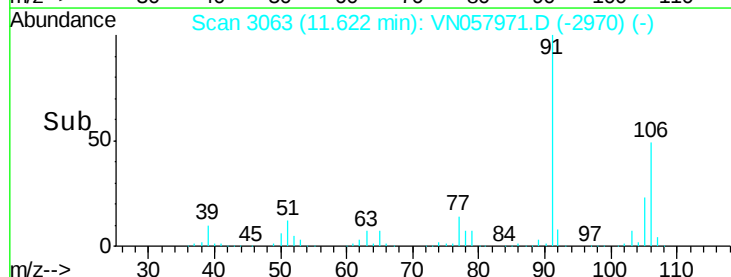
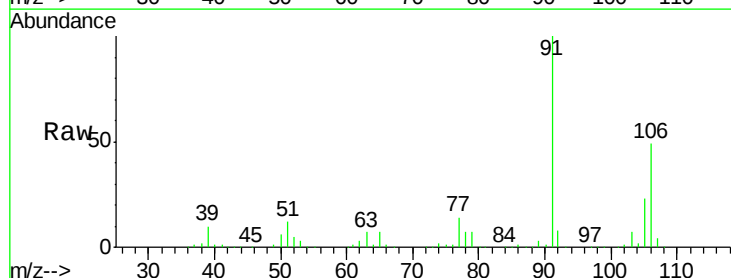
Manual Integrations
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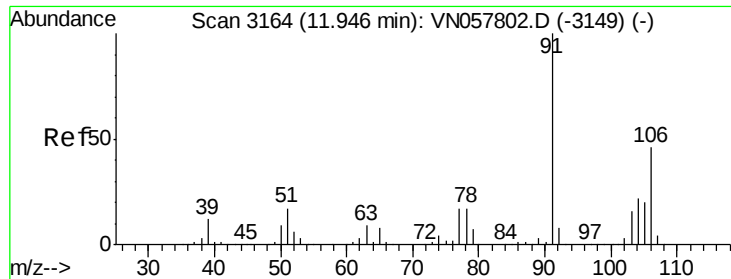
MMDadoda
9/13/2019 1:05:44 PM



#68
m/p-Xylenes
Concen: 103.013 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion: 106 Resp: 852704
Ion Ratio Lower Upper
106 100
91 207.2 165.8 248.6





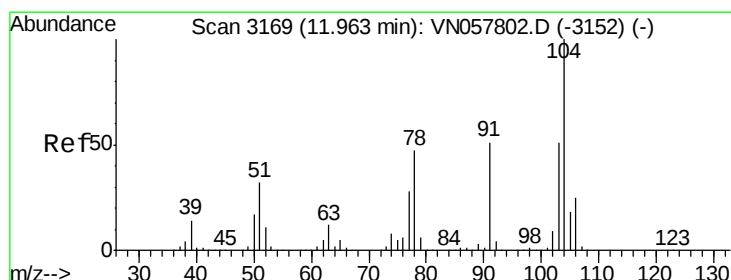
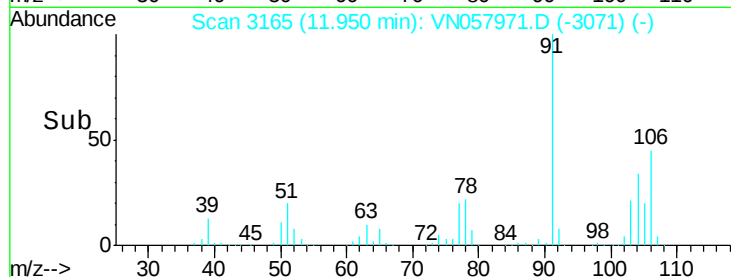
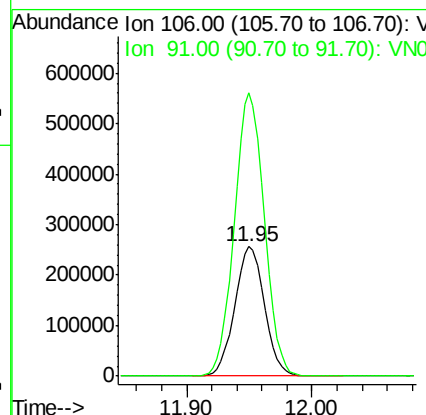
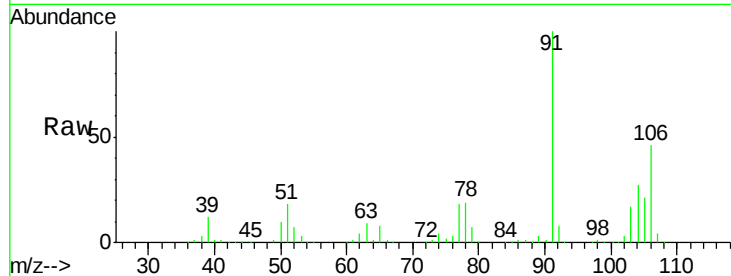
#69
o-Xylene
Concen: 51.114 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 420628
Ion Ratio Lower Upper
106 100
91 221.5 108.7 326.1

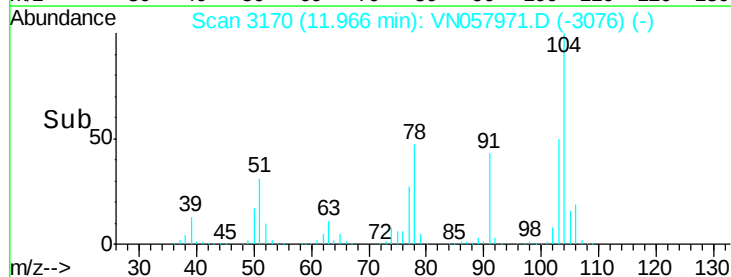
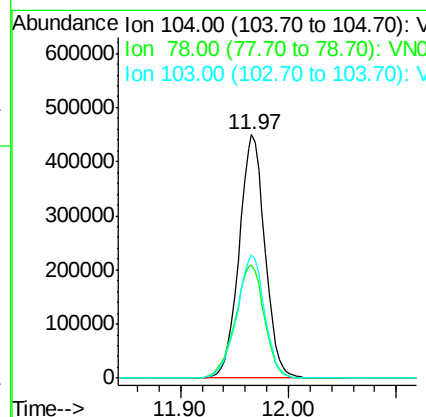
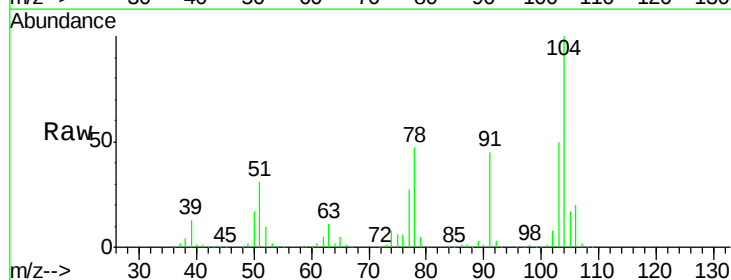
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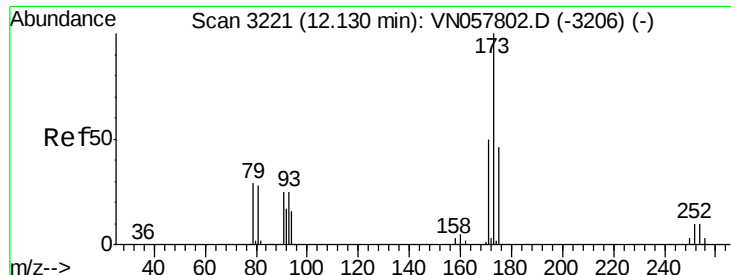
MMDadoda
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#70
Styrene
Concen: 52.972 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion:104 Resp: 750212
Ion Ratio Lower Upper
104 100
78 52.4 41.3 61.9
103 54.4 43.7 65.5





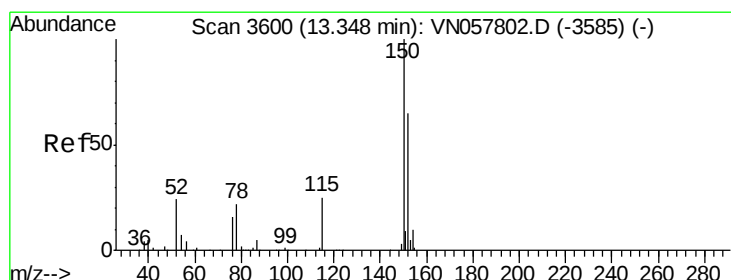
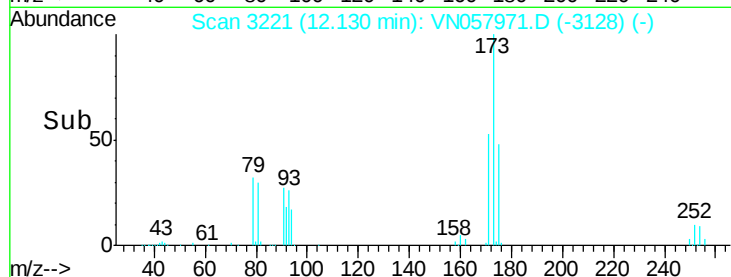
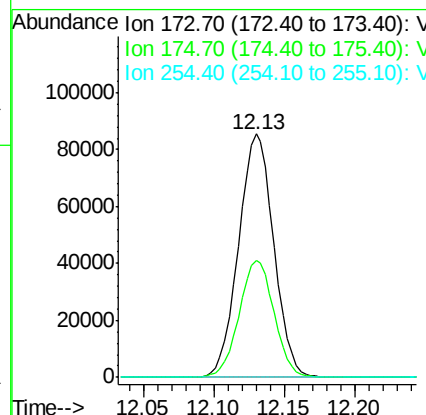
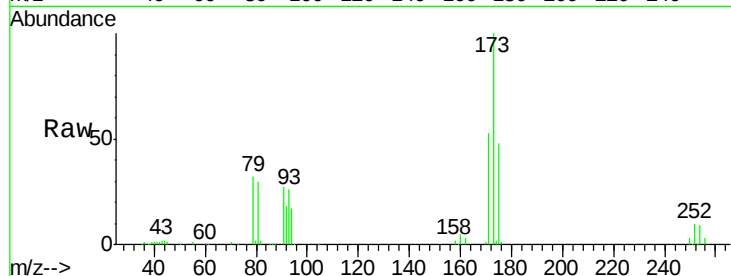
#71
Bromoform
Concen: 53.392 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.5	70.6
254	0.0	0.1	0.1#

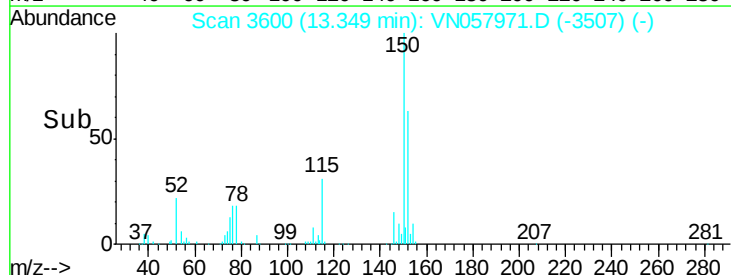
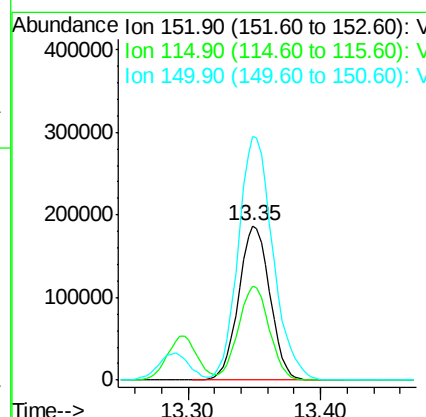
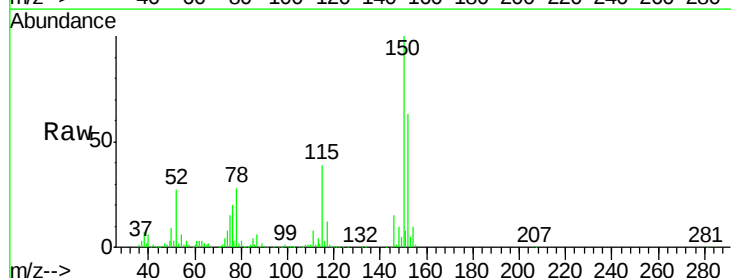
Manual Integrations
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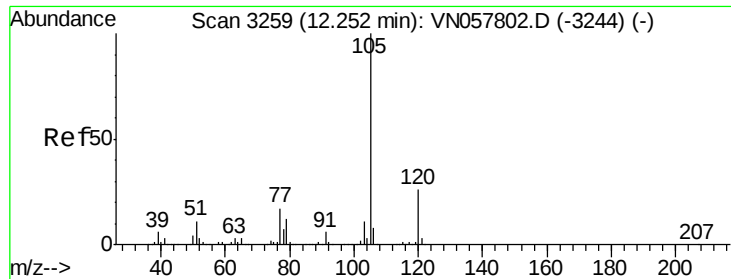
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.3	91.0
150	174.3	0.0	352.4





#73

Isopropylbenzene

Concen: 50.049 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1186694

Ion Ratio Lower Upper

105 100

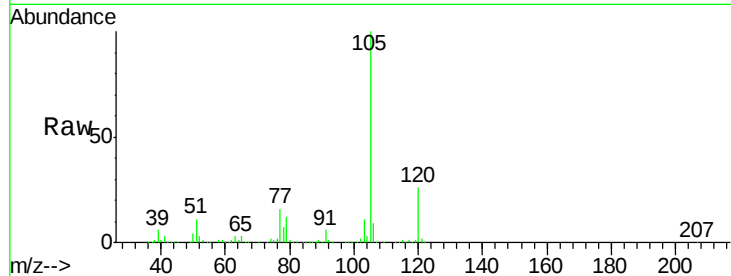
120 26.0 12.8 38.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

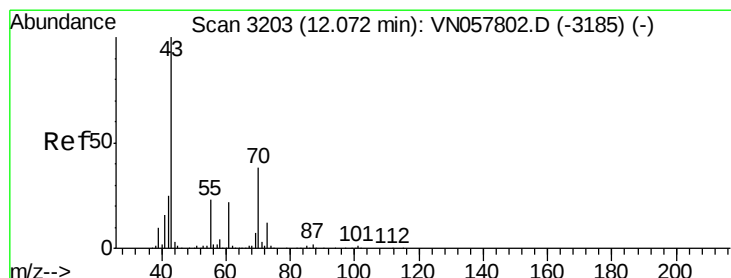
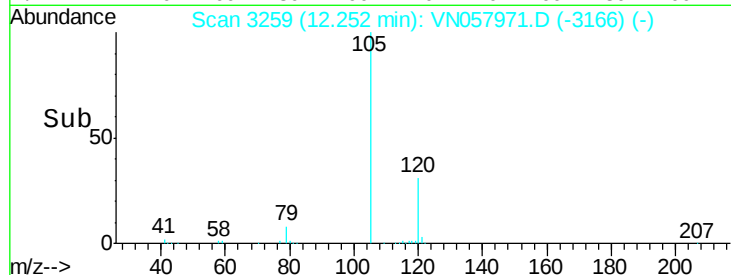
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 50.891 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion: 43 Resp: 525140

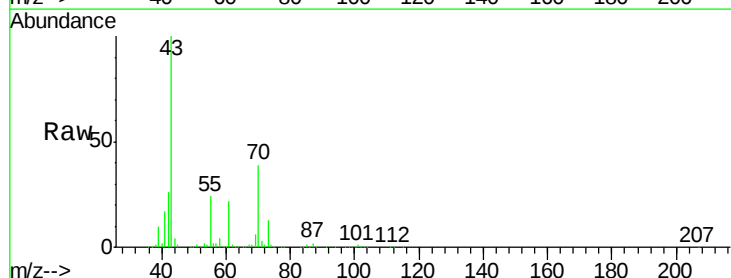
Ion Ratio Lower Upper

43 100

70 39.2 30.6 45.8

55 24.2 18.6 27.8

61 22.6 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

12.07

500000

400000

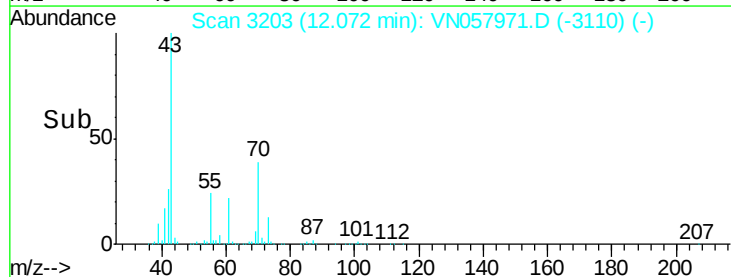
300000

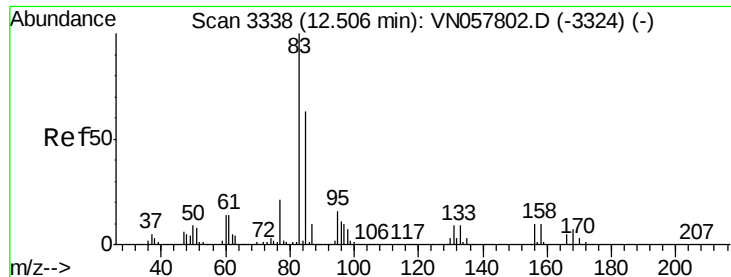
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.104 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

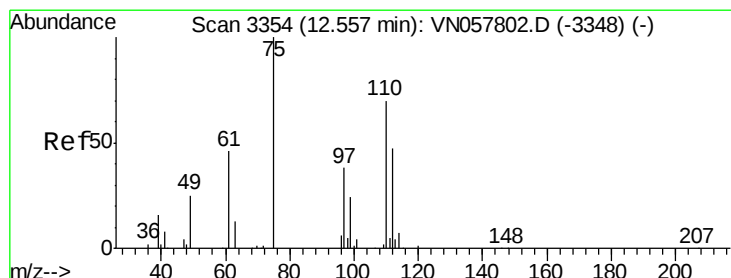
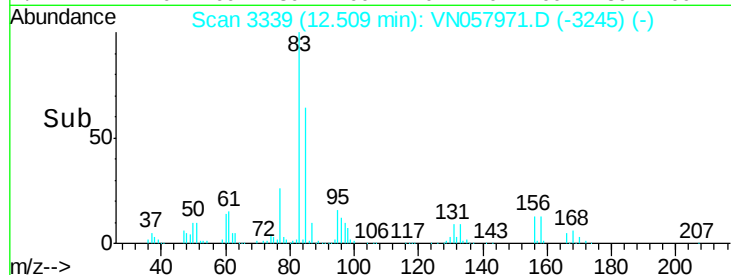
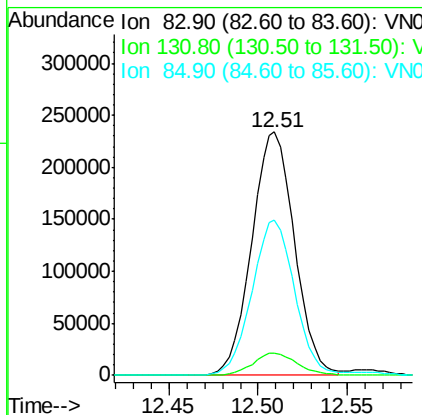
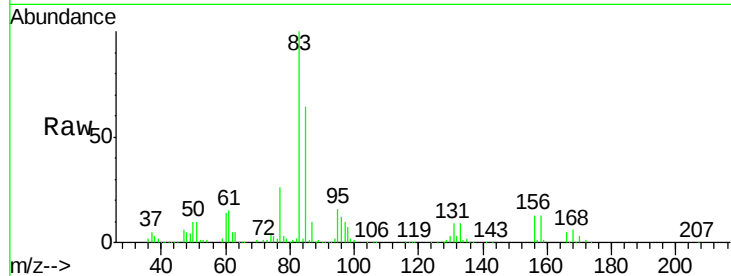
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	392013
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	63.8	31.6	94.7

Manual Integrations
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9/13/2019 1:05:44 PM



#76

1,2,3-Trichloropropane

Concen: 47.886 ug/l m

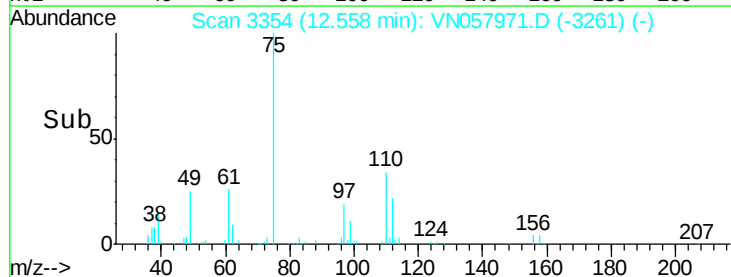
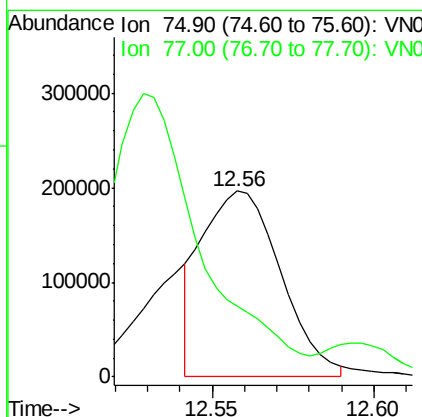
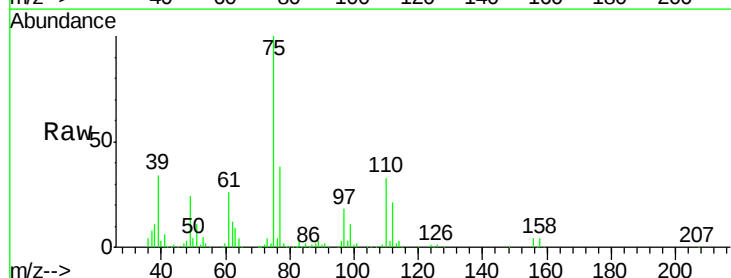
RT: 12.56 min Scan# 3354

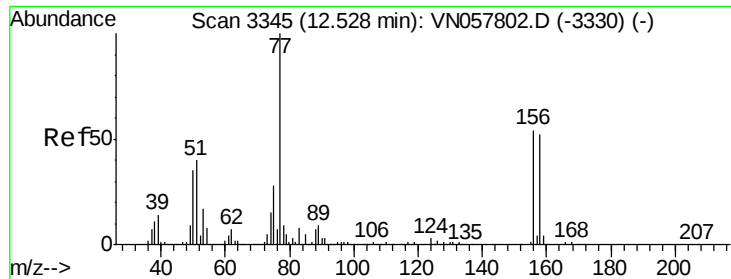
Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion:	75	Resp:	331007
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.329 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 273878

Ion Ratio Lower Upper

156 100

77 225.2 113.7 341.1

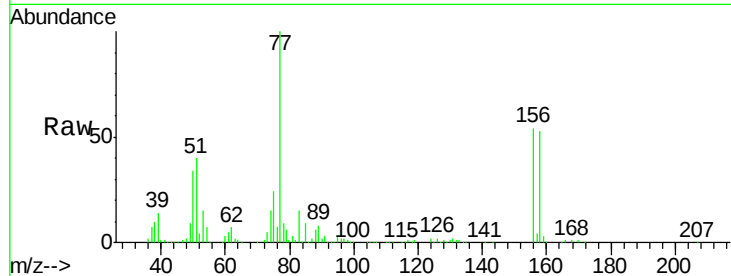
158 99.1 48.5 145.6

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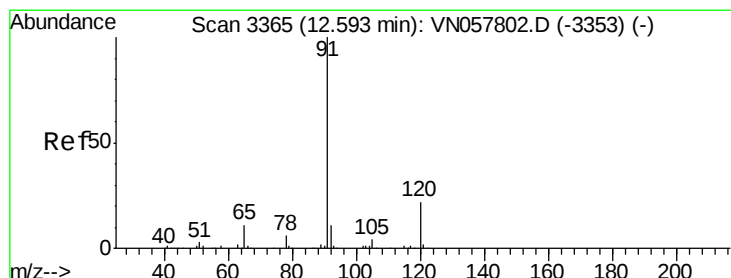
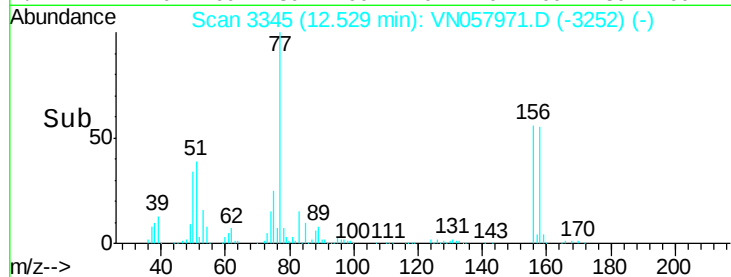
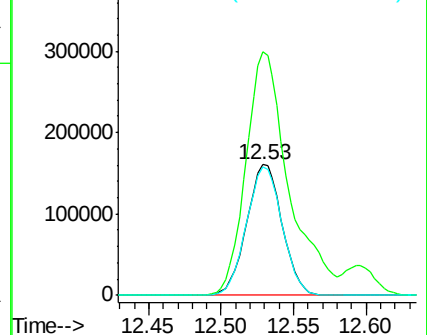
9/13/2019 1:05:44 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.653 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057971.D

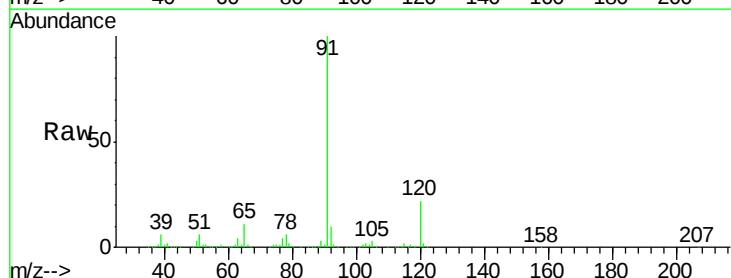
Acq: 12 Sep 2019 15:13

Tgt Ion: 91 Resp: 1406353

Ion Ratio Lower Upper

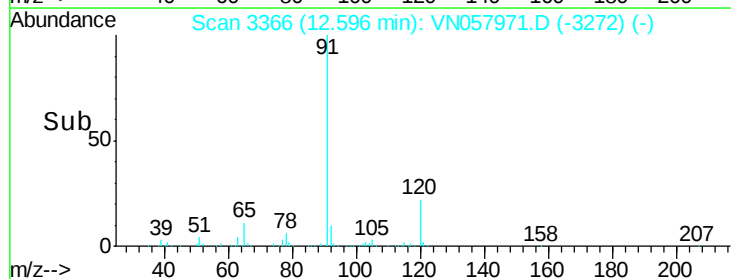
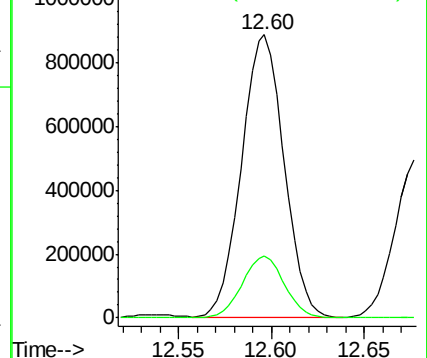
91 100

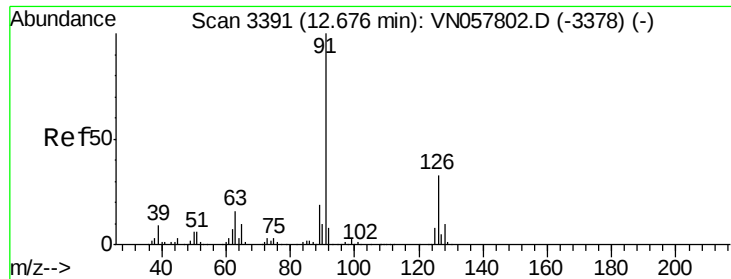
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.357 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 832150

Ion Ratio Lower Upper

91 100

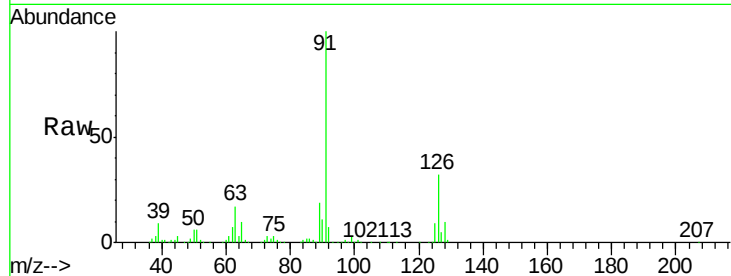
126 32.3 16.4 49.2

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Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057802.D (-3378) (-)

800000

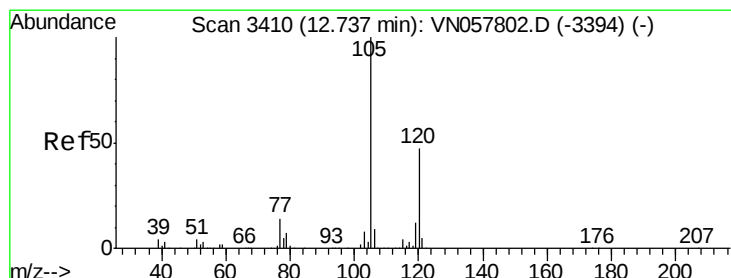
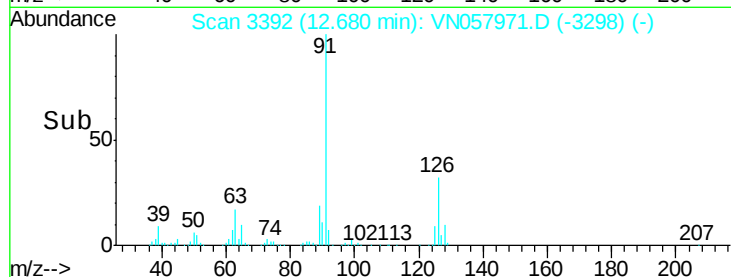
600000

400000

200000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 51.162 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057971.D

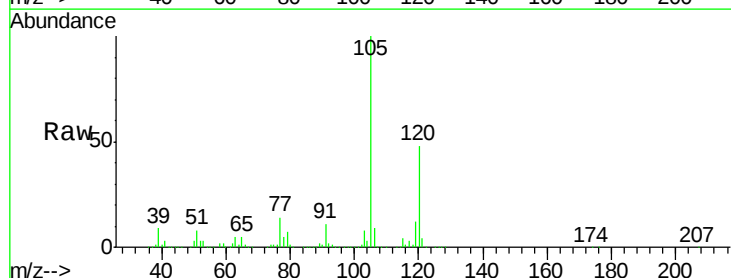
Acq: 12 Sep 2019 15:13

Tgt Ion: 105 Resp: 1024985

Ion Ratio Lower Upper

105 100

120 47.3 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN057802.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN057802.D (-3394) (-)

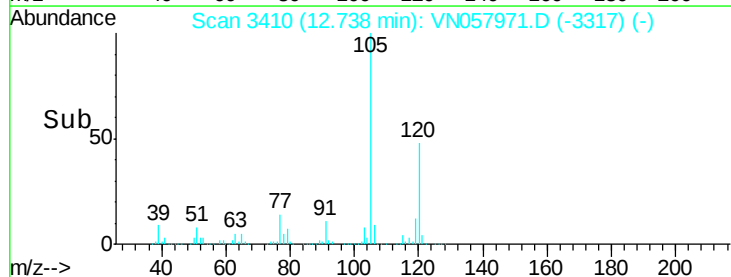
600000

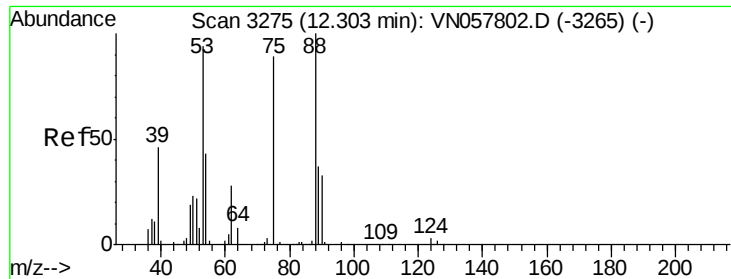
400000

200000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 47.785 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

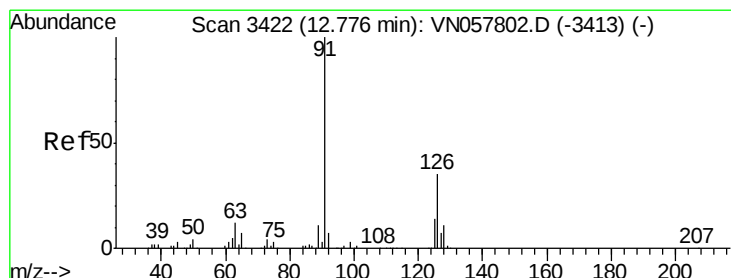
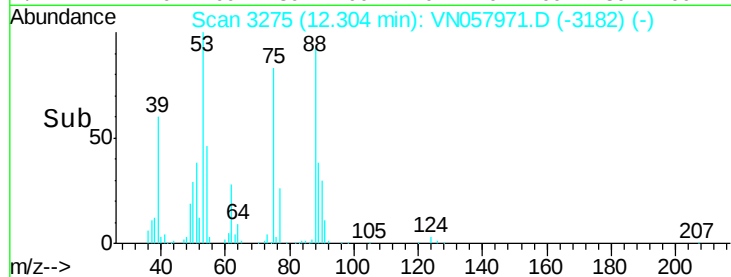
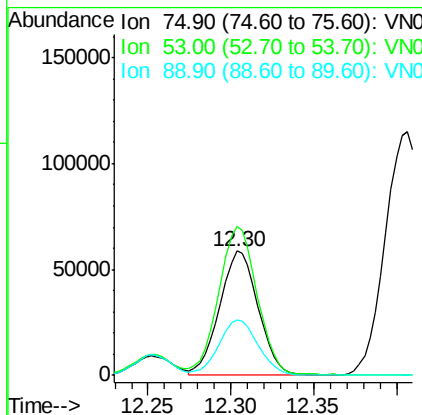
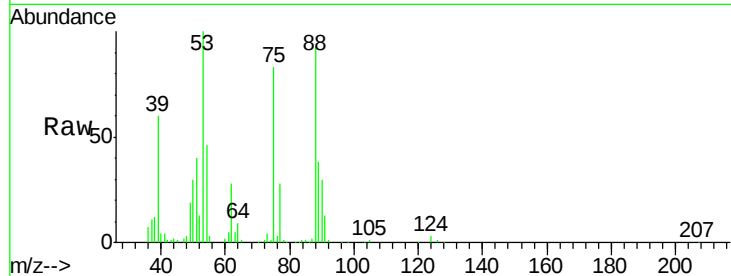
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	93864
Ion	Ratio	Lower	Upper
75	100		
53	119.6	88.4	132.6
89	46.1	35.3	52.9

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#82

4-Chlorotoluene

Concen: 49.140 ug/l

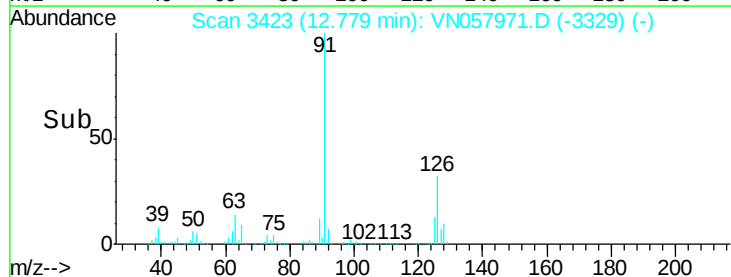
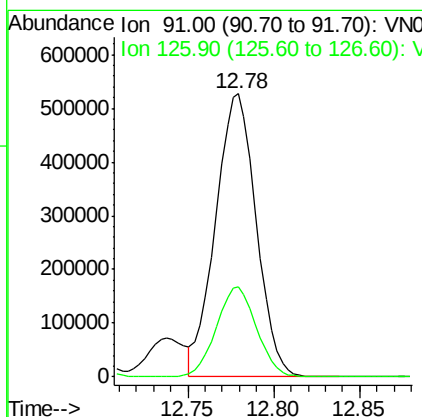
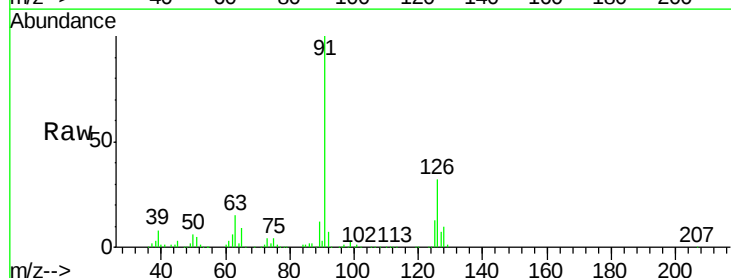
RT: 12.78 min Scan# 3423

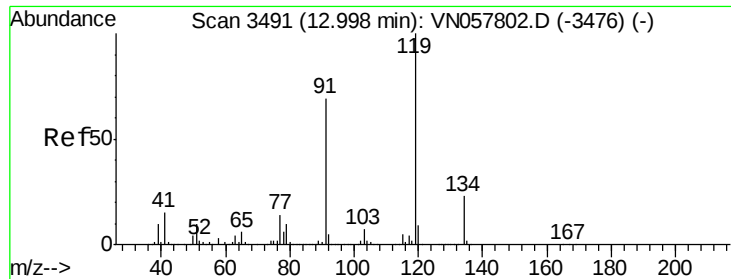
Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion:	91	Resp:	868400
Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.0	48.0





#83

tert-Butylbenzene

Concen: 49.444 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

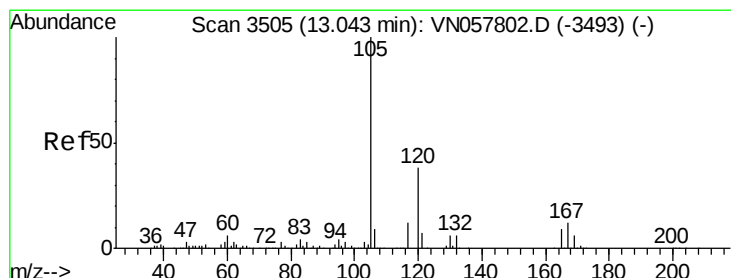
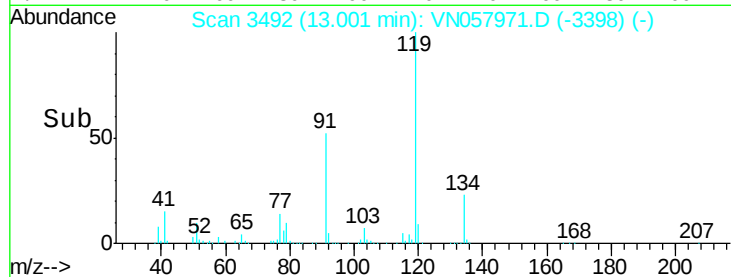
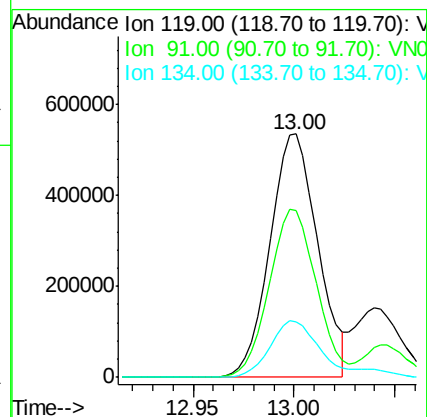
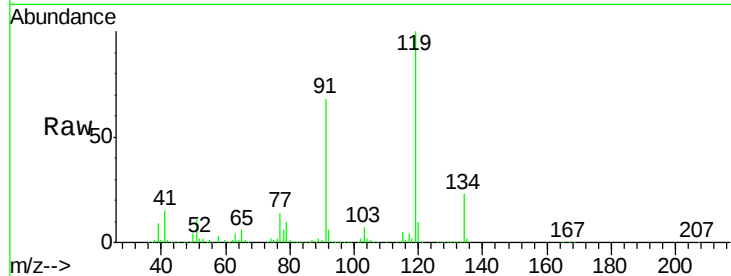
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	880517
Ion Ratio	Lower	Upper	
119	100		
91	68.1	33.6	100.8
134	23.4	11.7	35.0

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#84

1,2,4-Trimethylbenzene

Concen: 51.392 ug/l

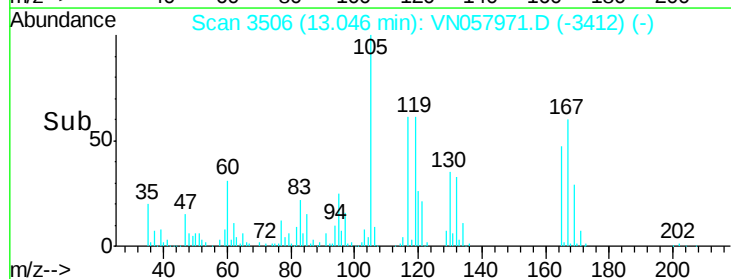
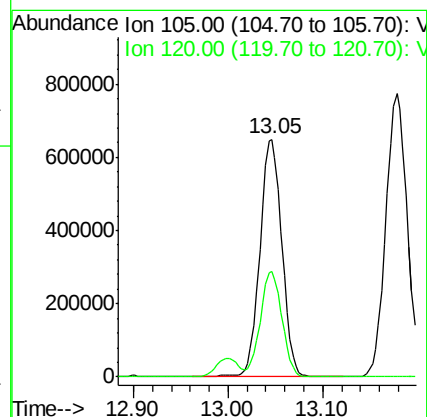
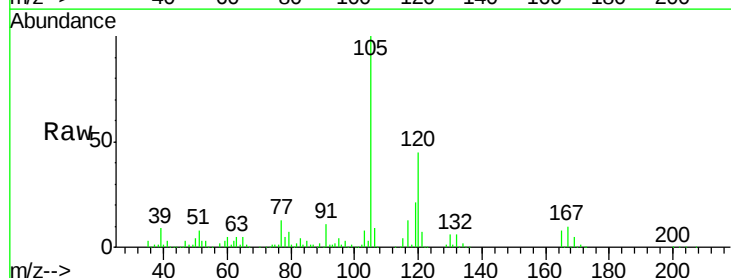
RT: 13.05 min Scan# 3506

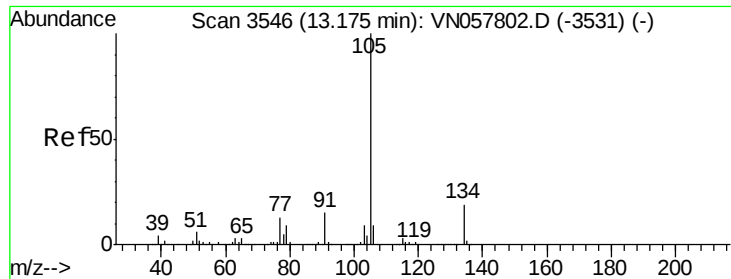
Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion:	105	Resp:	1046431
Ion Ratio	Lower	Upper	
105	100		
120	43.9	22.4	67.2





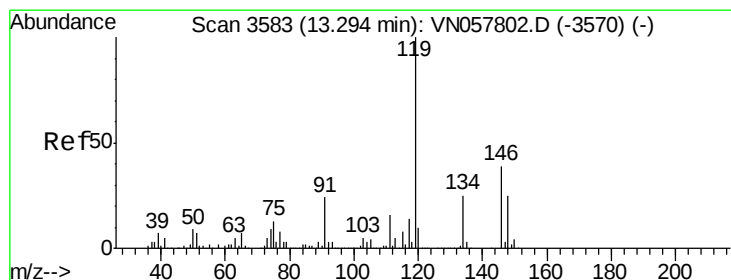
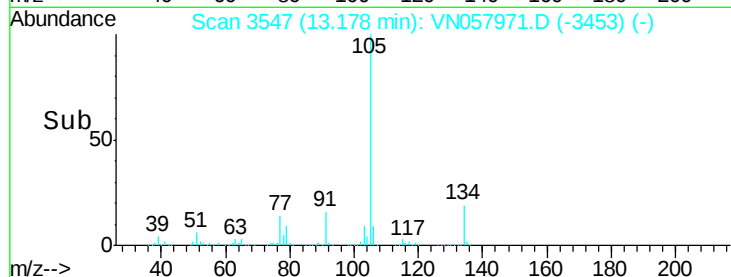
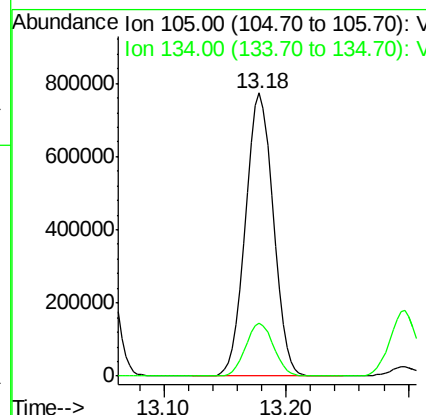
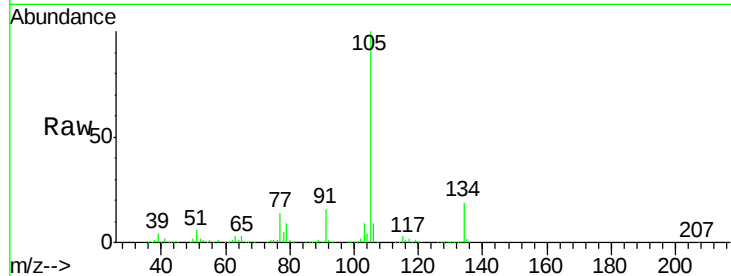
#85
 sec-Butylbenzene
 Concen: 51.316 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1211255
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.6 28.6

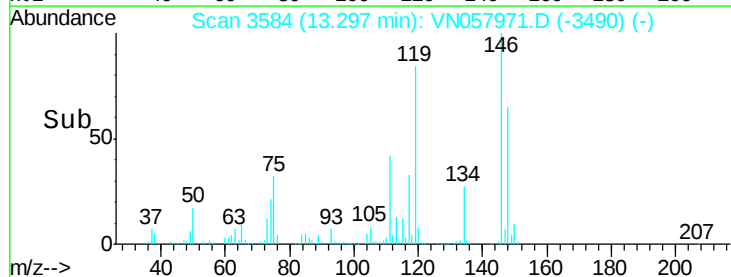
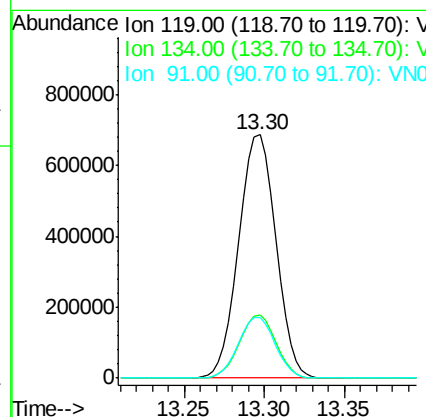
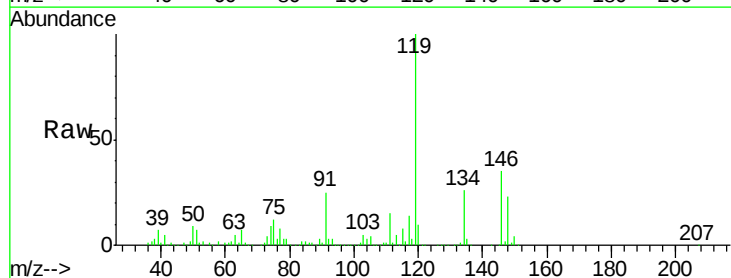
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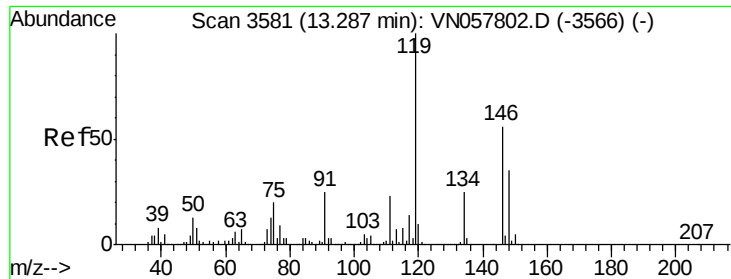
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#86
 p-Isopropyltoluene
 Concen: 52.239 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Tgt Ion:119 Resp: 1086432
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 24.6 12.3 36.8





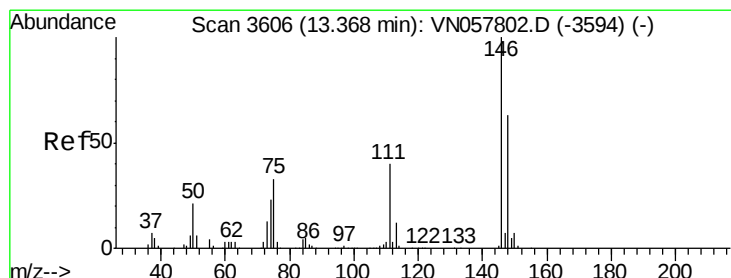
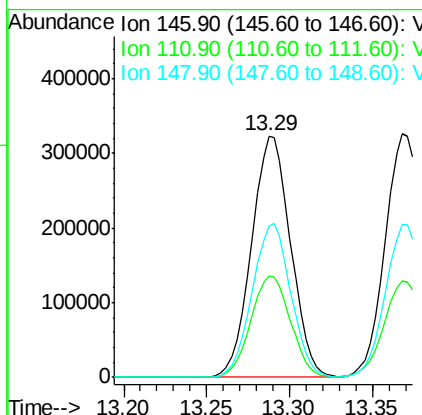
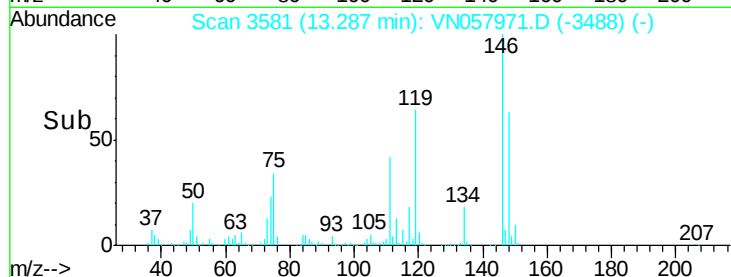
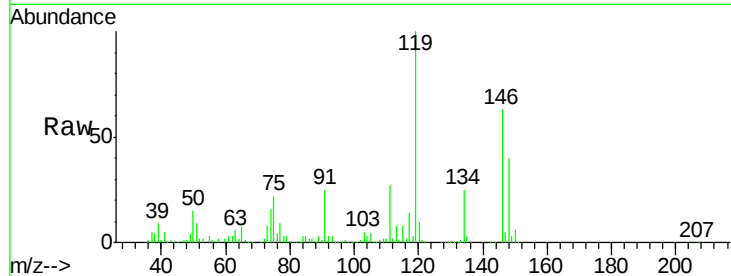
#87
 1,3-Dichlorobenzene
 Concen: 48.703 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	528468		
111	42.6	20.5	61.6	
148	63.2	31.5	94.5	

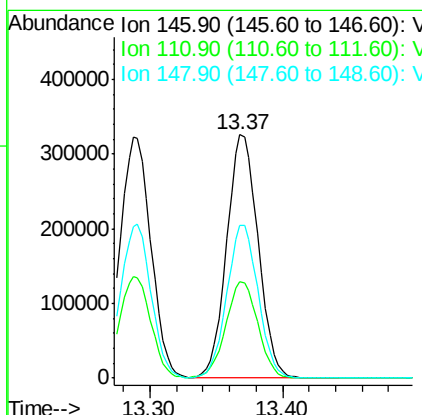
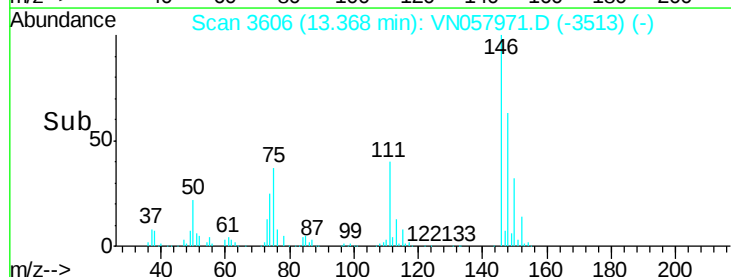
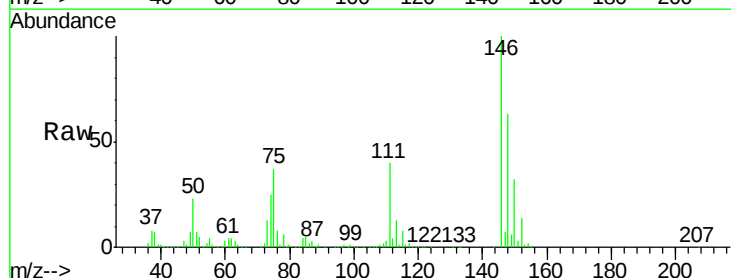
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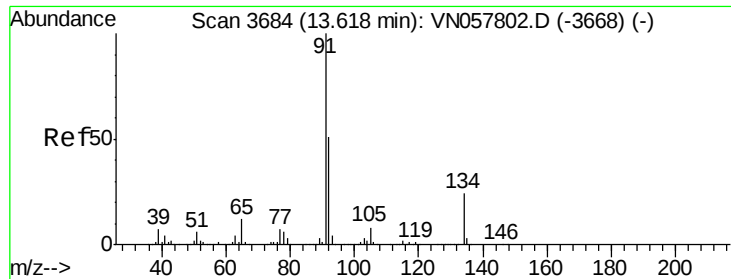
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#88
 1,4-Dichlorobenzene
 Concen: 48.635 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	535671		
111	40.4	20.4	61.2	
148	62.5	31.8	95.4	





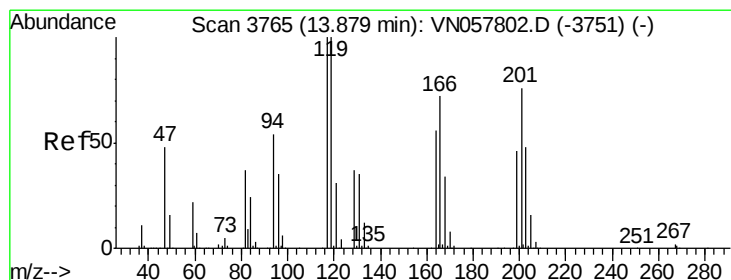
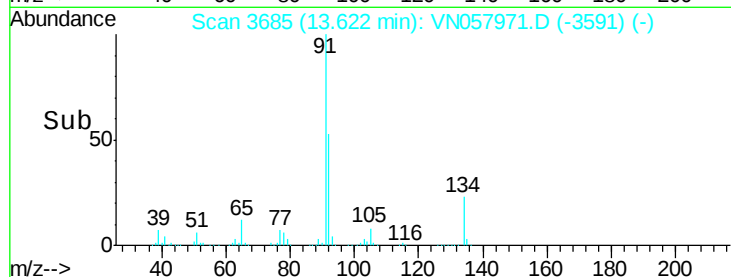
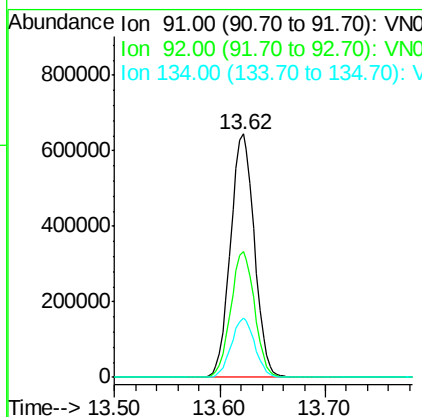
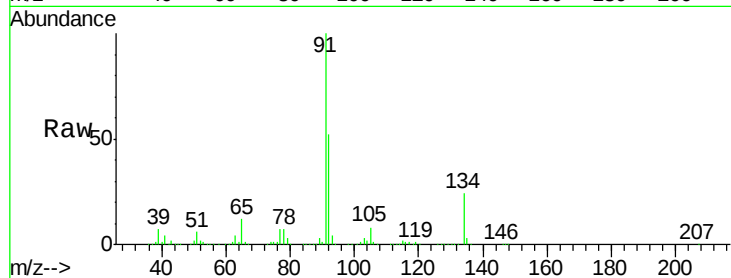
#89
n-Butylbenzene
Concen: 51.403 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1009560
Ion Ratio Lower Upper
91 100
92 51.6 25.7 77.0
134 24.0 11.9 35.7

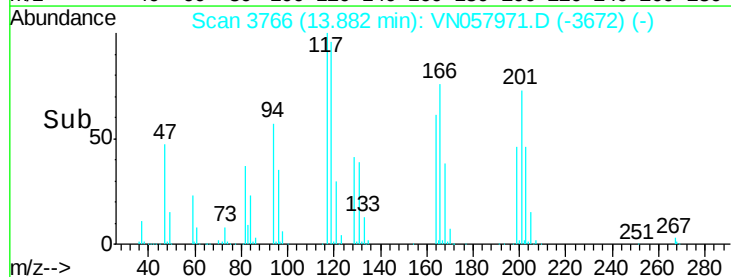
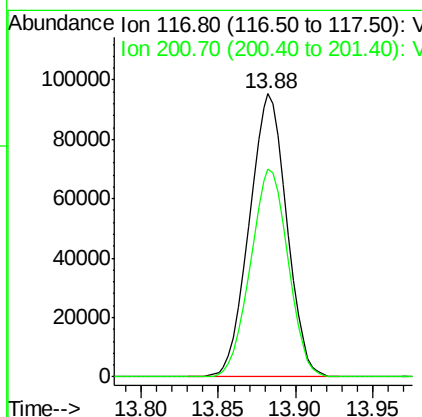
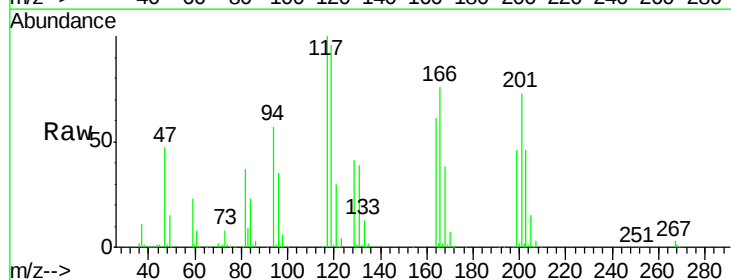
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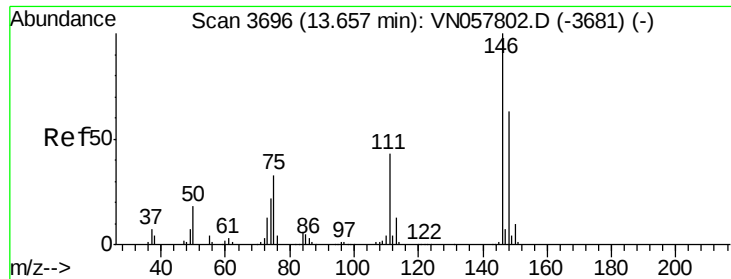
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#90
Hexachloroethane
Concen: 51.922 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057971.D
Acq: 12 Sep 2019 15:13

Tgt Ion: 117 Resp: 160595
Ion Ratio Lower Upper
117 100
201 73.7 37.5 112.7





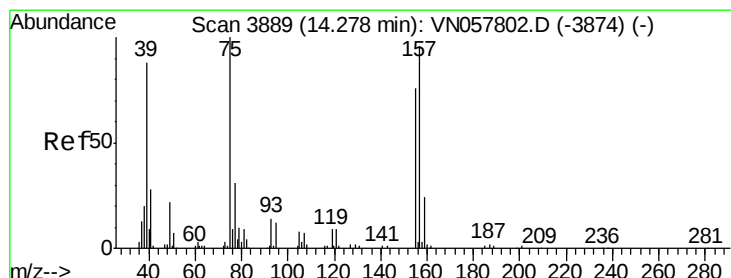
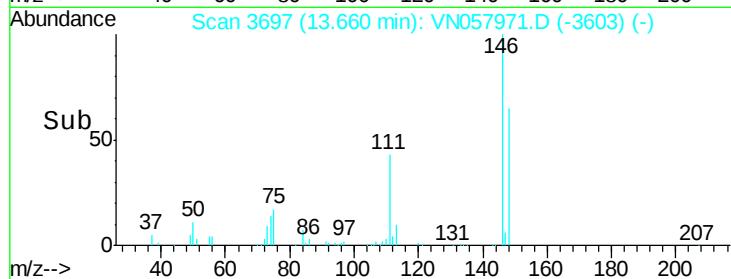
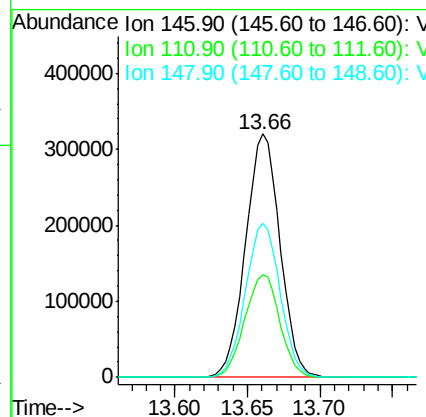
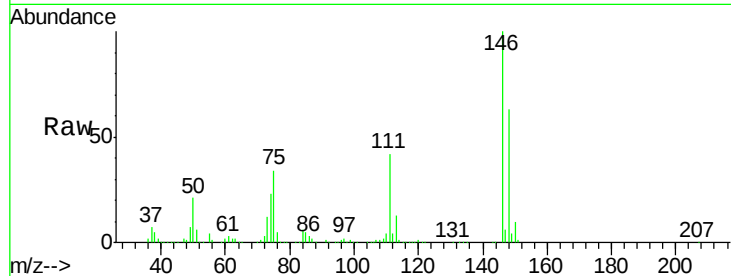
#91
 1,2-Dichlorobenzene
 Concen: 48.877 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

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

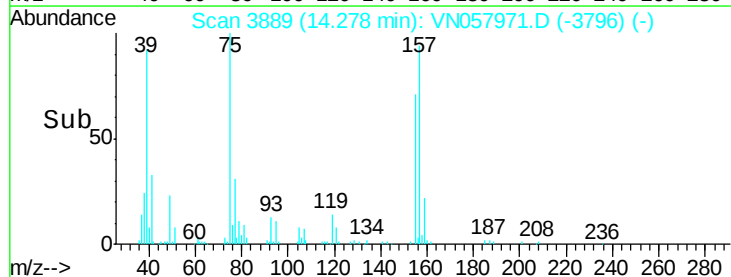
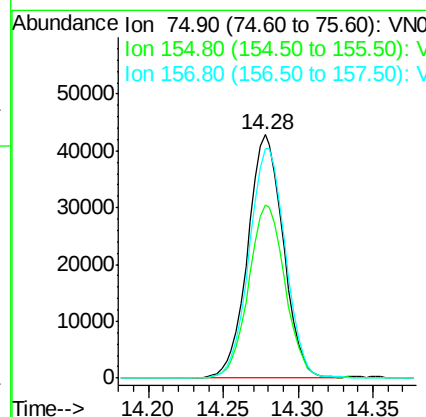
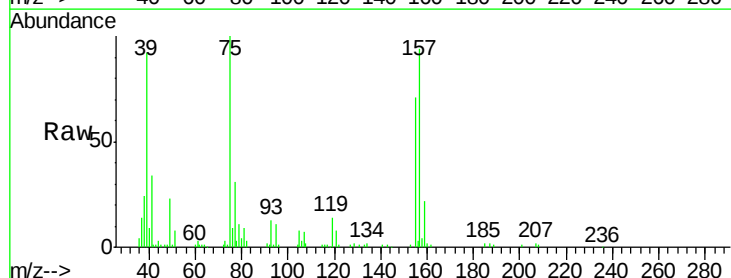
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.804 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	37.3	111.8
157	95.5	47.9	143.8





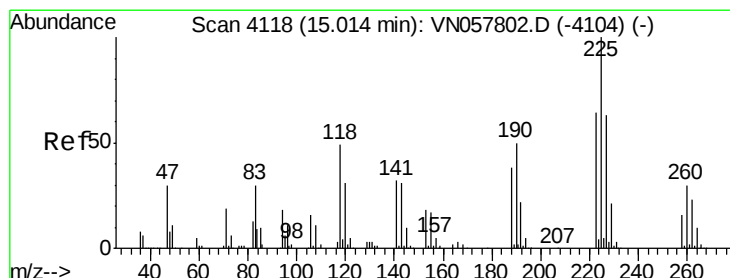
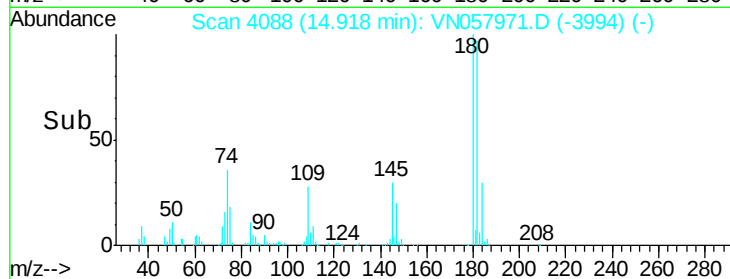
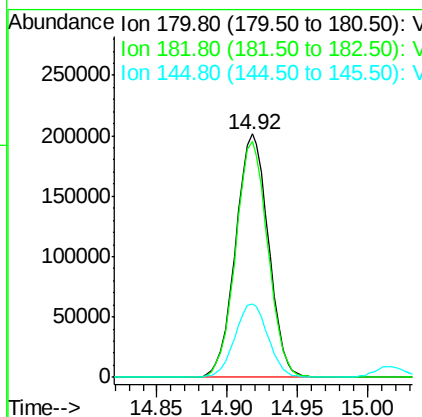
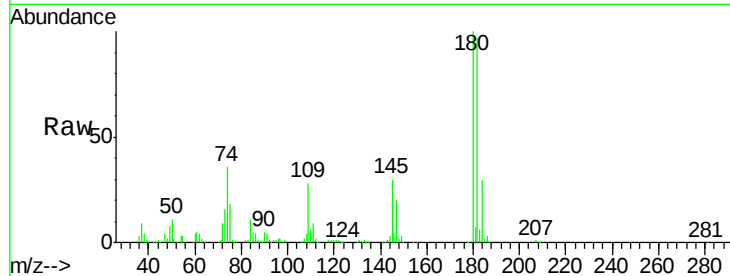
#93
 1,2,4-Trichlorobenzene
 Concen: 46.350 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.8
145	30.5	14.9	44.7

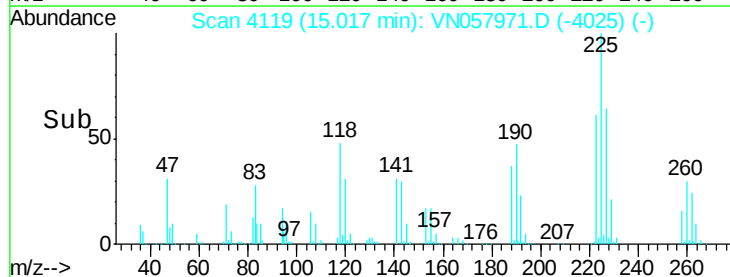
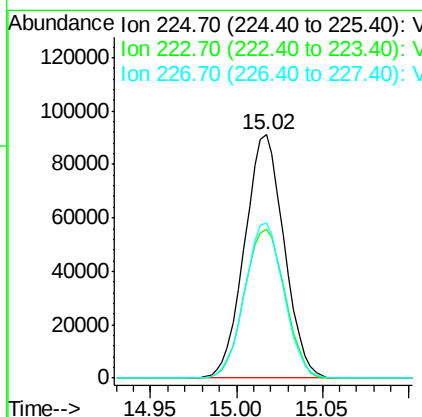
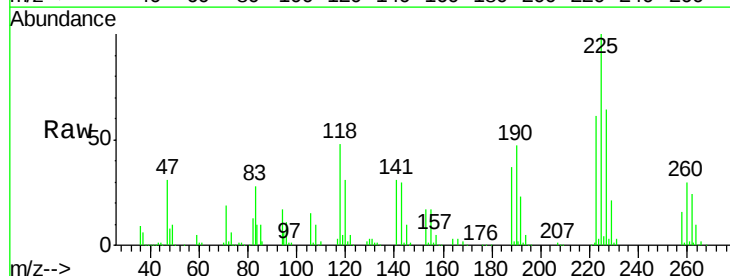
Manual Integrations
 APPROVED

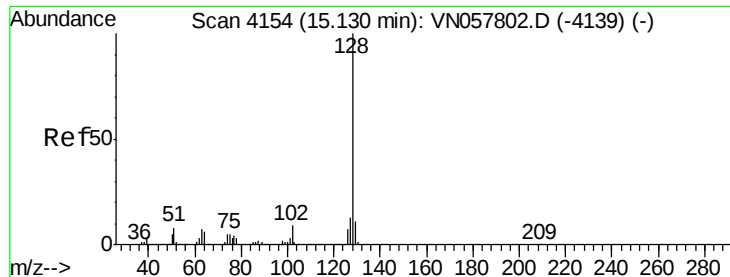
MMDadoda
 9/13/2019 1:05:44 PM



#94
 Hexachlorobutadiene
 Concen: 48.290 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057971.D
 Acq: 12 Sep 2019 15:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.2
227	63.5	31.8	95.4





#95

Naphthalene

Concen: 53.857 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Instrument :

MSVOA_N

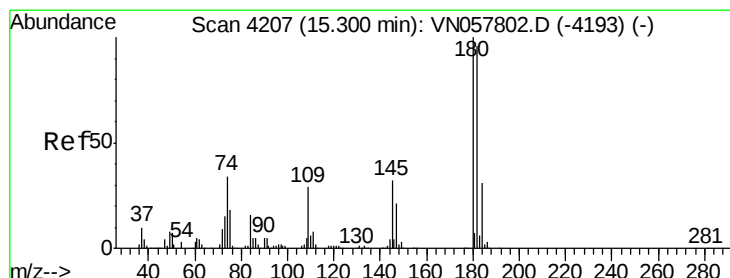
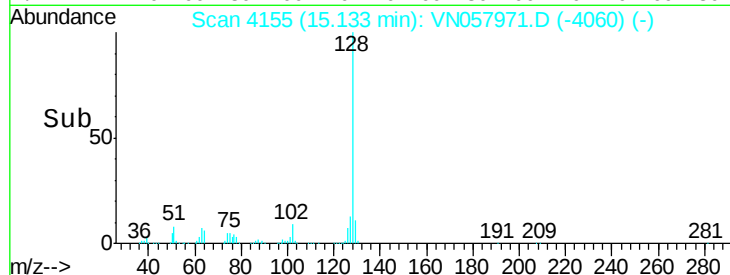
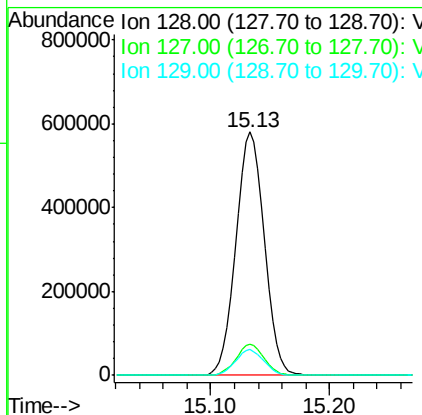
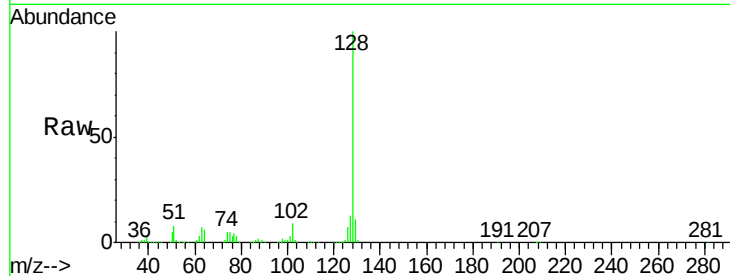
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	961210
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:05:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.812 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057971.D

Acq: 12 Sep 2019 15:13

Tgt Ion:	180	Resp:	314407
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.3	144.8
145	32.0	16.3	48.8

