

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057292.D
 Acq On : 14 Aug 2019 17:27
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:16 AM

Quant Time: Aug 15 08:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	929965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1354620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1240863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	514179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	486075	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.58	113	427325	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	10.09	98	1621810	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.40	95	559669	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	374698	48.081	ug/l	100
3) Chloromethane	2.05	50	435458	49.242	ug/l	100
4) Vinyl Chloride	2.18	62	414743	48.398	ug/l	100
5) Bromomethane	2.53	94	309502m	51.262	ug/l	100
6) Chloroethane	2.69	64	286772	51.633	ug/l	100
7) Trichlorofluoromethane	3.01	101	658436	48.635	ug/l	100
8) Diethyl Ether	3.40	74	250223	50.686	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	390794	48.112	ug/l	100
10) Methyl Iodide	3.95	142	650902	51.681	ug/l	100
11) Tert butyl alcohol	4.76	59	347402	269.913	ug/l	100
12) 1,1-Dichloroethene	3.73	96	392069	48.530	ug/l	100
13) Acrolein	3.60	56	203085	229.261	ug/l	100
14) Allyl chloride	4.32	41	630957	51.217	ug/l	100
15) Acrylonitrile	4.97	53	965340	268.944	ug/l	100
16) Acetone	3.80	43	825389	256.445	ug/l	100
17) Carbon Disulfide	4.05	76	1048990	47.721	ug/l	100
18) Methyl Acetate	4.31	43	453634	41.061	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	1235031	50.888	ug/l	100
20) Methylene Chloride	4.54	84	455299	48.400	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	414757	48.253	ug/l	100
22) Diisopropyl ether	5.94	45	1240059	51.025	ug/l	100
23) Vinyl Acetate	5.88	43	5119550	265.550	ug/l	100
24) 1,1-Dichloroethane	5.84	63	756376	49.673	ug/l	100
25) 2-Butanone	6.82	43	1243015	269.026	ug/l	100
26) 2,2-Dichloropropane	6.81	77	623410	50.172	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	491214	49.457	ug/l	100
28) Bromochloromethane	7.18	49	337163	49.716	ug/l	100
29) Tetrahydrofuran	7.20	42	784524	266.023	ug/l	100
30) Chloroform	7.36	83	778010	48.823	ug/l	100
31) Cyclohexane	7.65	56	636098	48.056	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	693495	51.467	ug/l	100
36) 1,1-Dichloropropene	7.79	75	565596	48.105	ug/l	100
37) Ethyl Acetate	6.91	43	507224	52.694	ug/l	100
38) Carbon Tetrachloride	7.77	117	602509	48.181	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	675414	48.594	ug/l	100
40) Benzene	8.03	78	1765996	49.143	ug/l	100
41) Methacrylonitrile	7.17	41	214149m	53.257	ug/l	
42) 1,2-Dichloroethane	8.12	62	584169	50.604	ug/l	100
43) Isopropyl Acetate	8.16	43	906728	56.679	ug/l	100
44) Trichloroethene	8.83	130	489458	47.265	ug/l	100
45) 1,2-Dichloropropane	9.11	63	453473	49.728	ug/l	100
46) Dibromomethane	9.20	93	303214	49.445	ug/l	100
47) Bromodichloromethane	9.40	83	609410	51.440	ug/l	100
48) Methyl methacrylate	9.19	41	406329	55.385	ug/l	100
49) 1,4-Dioxane	9.19	88	169509	1028.705	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2511806	269.602	ug/l	100
52) Toluene	10.15	92	1122028	50.324	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	666363	52.596	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	740423	51.873	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	438733	50.135	ug/l	100
56) Ethyl methacrylate	10.43	69	670504	54.283	ug/l	100
57) 1,3-Dichloropropane	10.70	76	732284	50.680	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	876447	282.147	ug/l	100
59) 2-Hexanone	10.75	43	1843386	278.397	ug/l	100
60) Dibromochloromethane	10.90	129	502361	51.171	ug/l	100
61) 1,2-Dibromoethane	11.00	107	470023	51.691	ug/l	100
64) Tetrachloroethene	10.63	164	495238	45.399	ug/l	100
65) Chlorobenzene	11.43	112	1217381	48.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	474729	48.646	ug/l	100
67) Ethyl Benzene	11.51	91	2148725	49.693	ug/l	100
68) m/p-Xylenes	11.62	106	1629593	100.888	ug/l	100
69) o-Xylene	11.95	106	797665	50.371	ug/l	100
70) Styrene	11.96	104	1310598	53.537	ug/l	100
71) Bromoform	12.13	173	386849	51.566	ug/l #	100
73) Isopropylbenzene	12.25	105	2148506	45.056	ug/l	100
74) N-amyl acetate	12.07	43	683885	49.149	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	608589	44.462	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	510210m	46.909	ug/l	
77) Bromobenzene	12.53	156	562874	43.364	ug/l	100
78) n-propylbenzene	12.59	91	2267619	47.228	ug/l	100
79) 2-Chlorotoluene	12.67	91	1386938	45.191	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1773377	45.862	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	202835	52.325	ug/l	100
82) 4-Chlorotoluene	12.77	91	1346503	47.929	ug/l	100
83) tert-Butylbenzene	12.99	119	1577308	43.700	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1683078	46.542	ug/l	100
85) sec-Butylbenzene	13.17	105	1960895	45.354	ug/l	100
86) p-Isopropyltoluene	13.29	119	1726175	45.795	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	860737	48.474	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	798245	46.306	ug/l	100
89) n-Butylbenzene	13.62	91	1274655	48.117	ug/l	100
90) Hexachloroethane	13.88	117	328128	44.546	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	817985	47.367	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85301	49.565	ug/l	100

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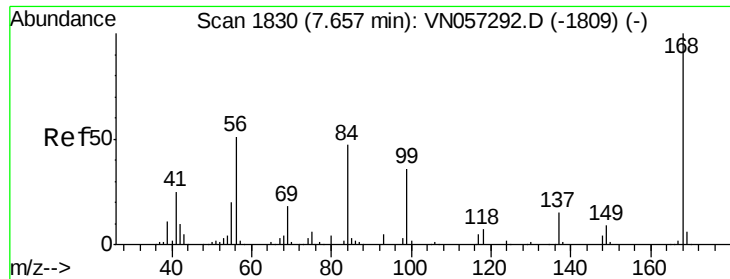
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APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	294790	47.566	ug/l	100
94) Hexachlorobutadiene	15.01	225	342405	41.211	ug/l	100
95) Naphthalene	15.13	128	579644	47.619	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	269437	42.898	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 929965

Ion Ratio Lower Upper

168 100

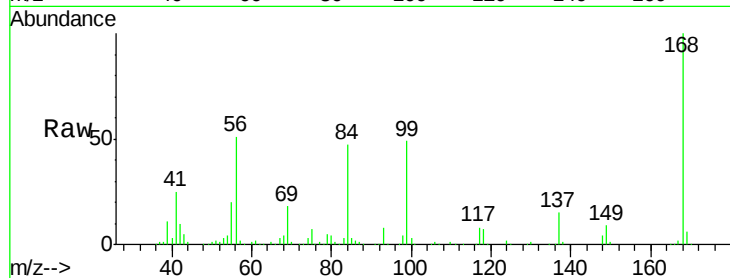
99 49.3 39.4 59.2

Manual Integrations

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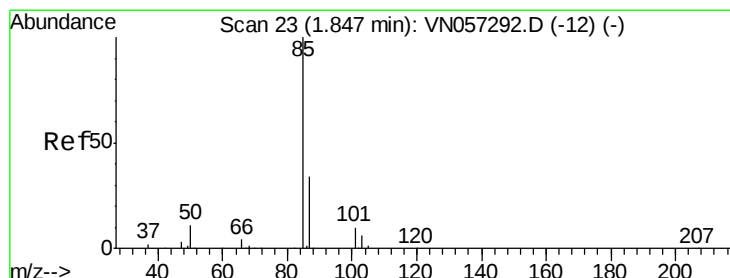
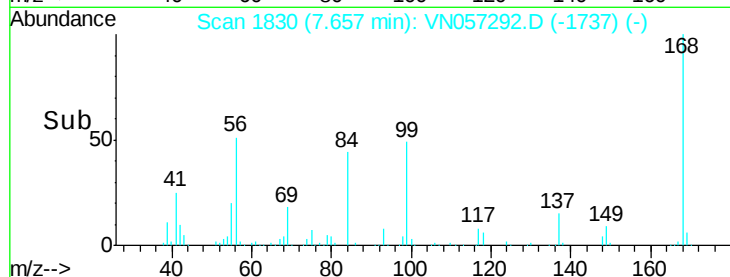
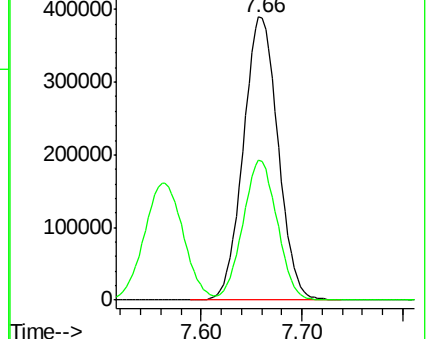
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.081 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057292.D

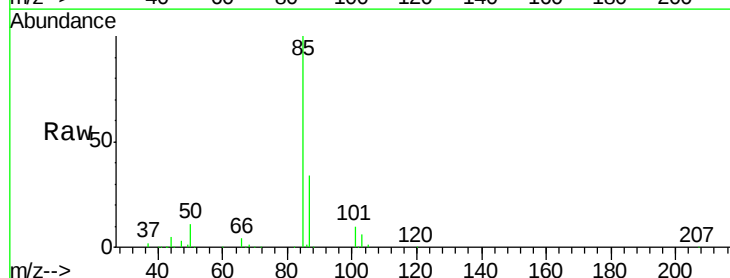
Acq: 14 Aug 2019 17:27

Tgt Ion: 85 Resp: 374698

Ion Ratio Lower Upper

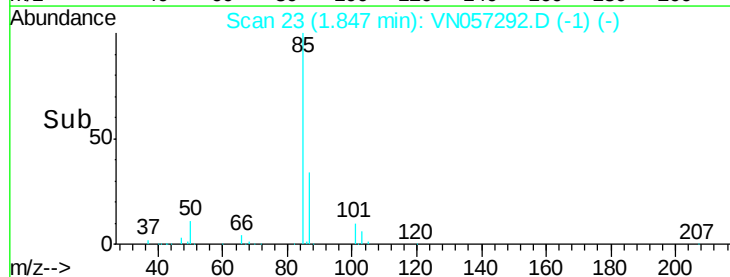
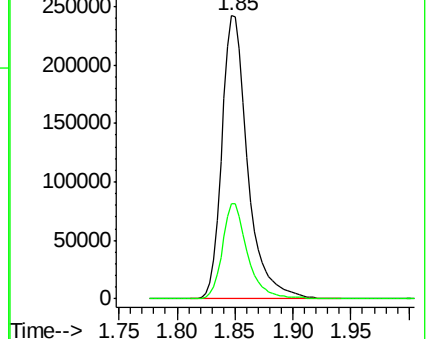
85 100

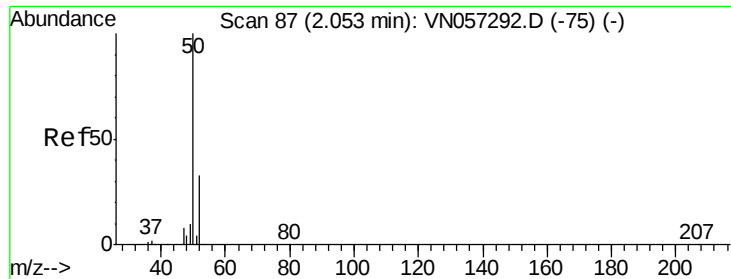
87 33.8 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 49.242 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 435458

Ion Ratio Lower Upper

50 100

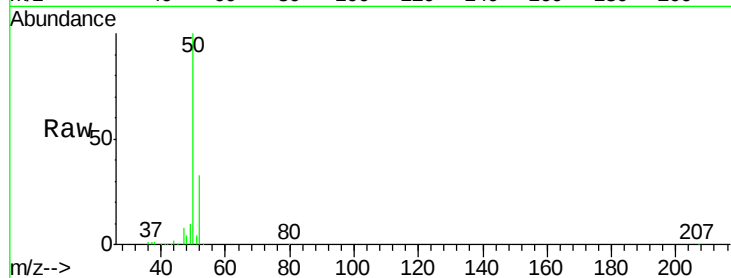
52 33.5 26.8 40.2

Manual Integrations

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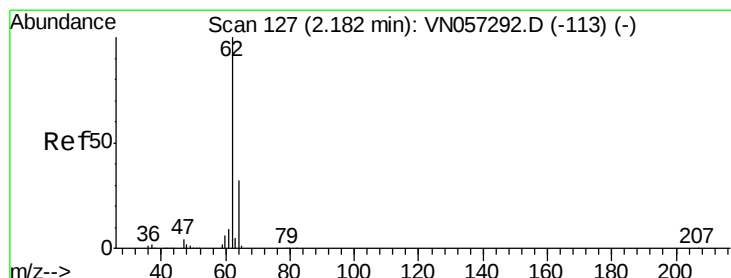
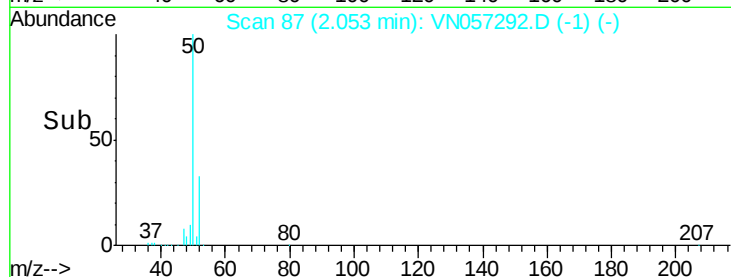
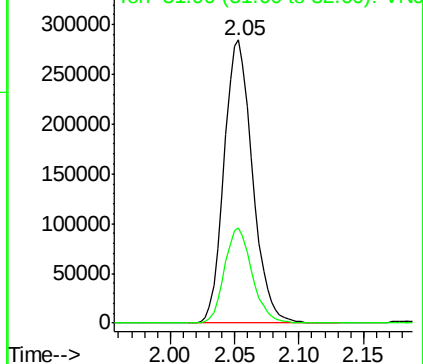
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 48.398 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057292.D

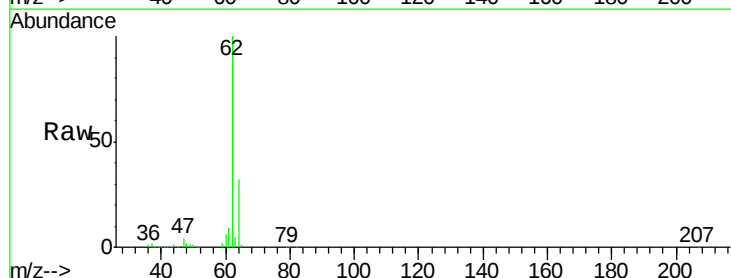
Acq: 14 Aug 2019 17:27

Tgt Ion: 62 Resp: 414743

Ion Ratio Lower Upper

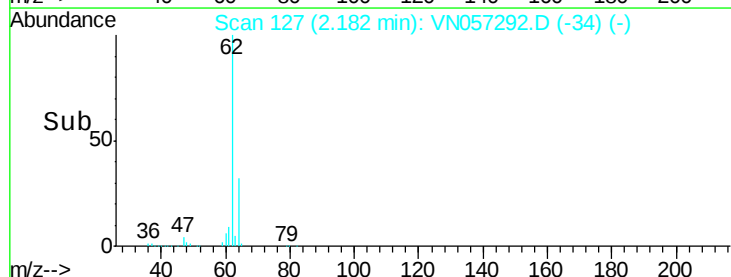
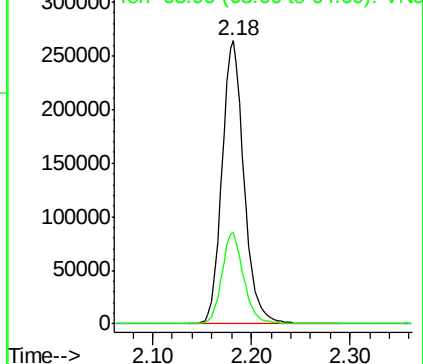
62 100

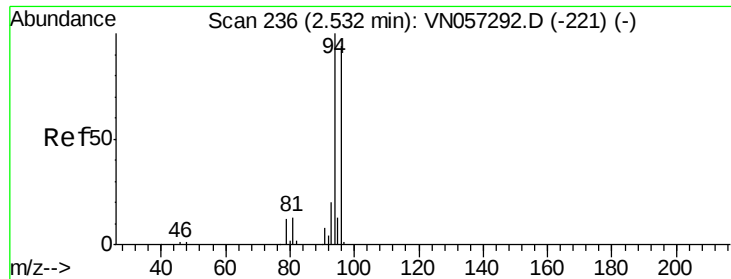
64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 51.262 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 309502

Ion Ratio Lower Upper

94 100

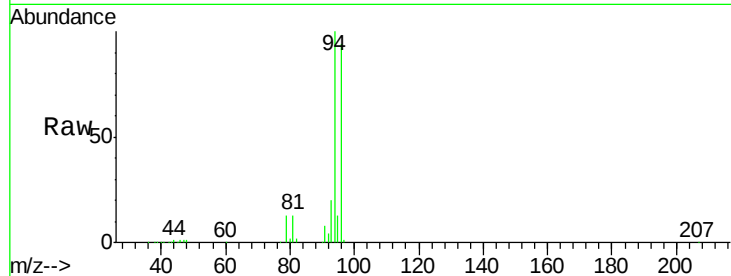
96 93.8 75.0 112.6

Manual Integrations

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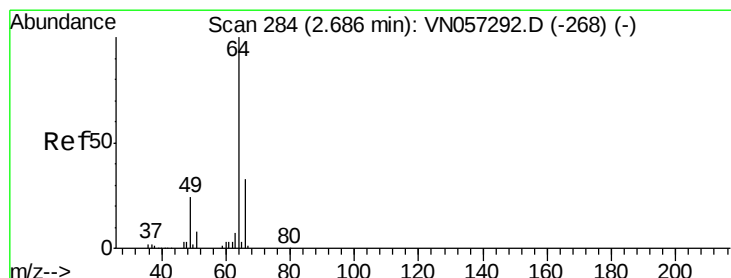
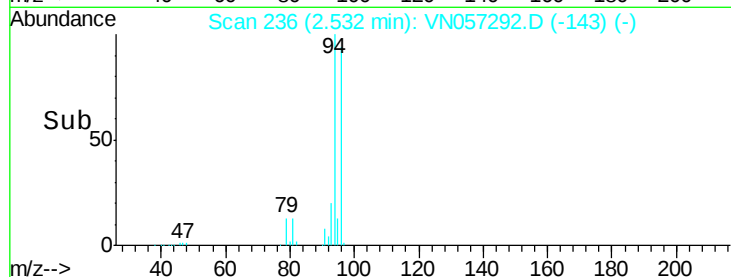
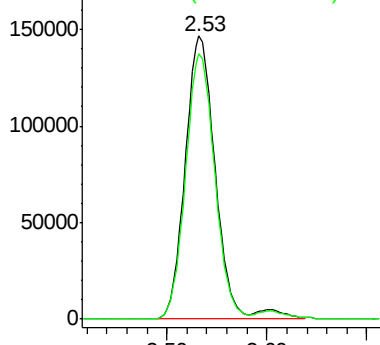
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.633 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057292.D

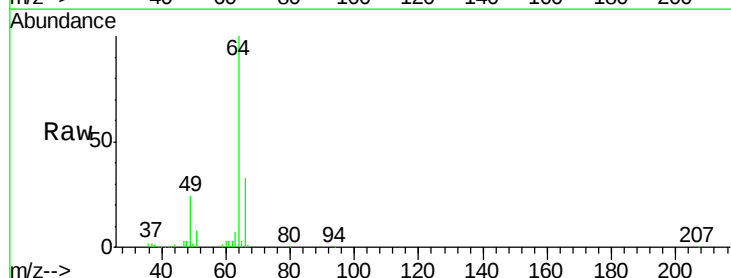
Acq: 14 Aug 2019 17:27

Tgt Ion: 64 Resp: 286772

Ion Ratio Lower Upper

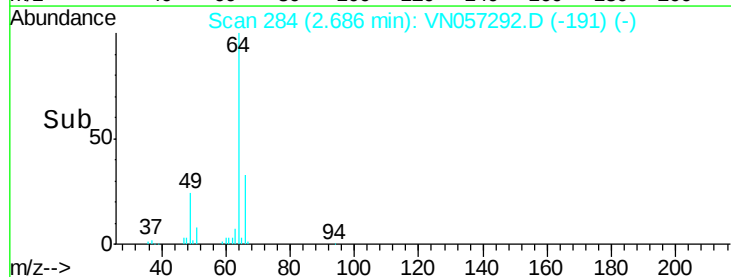
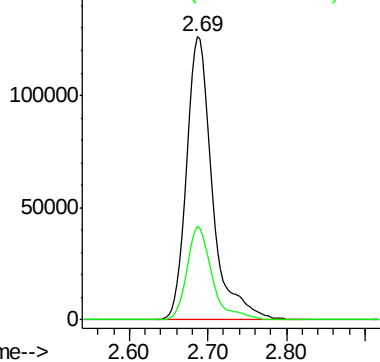
64 100

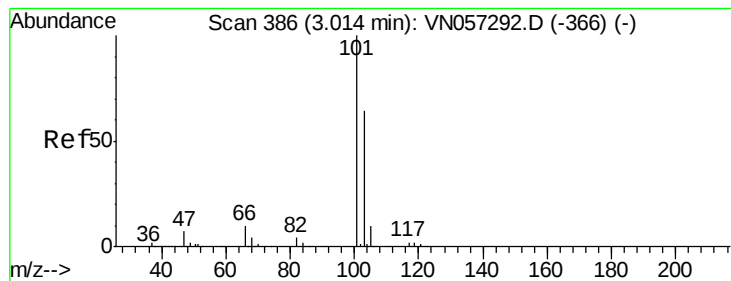
66 33.0 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

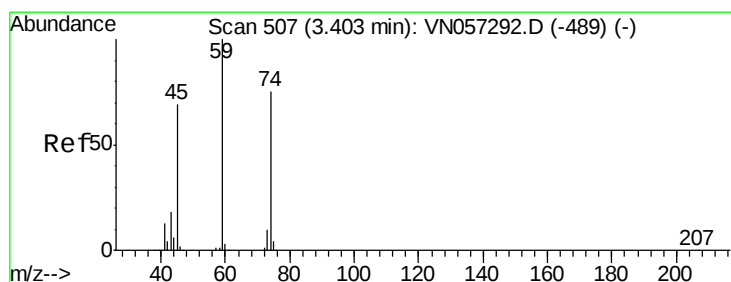
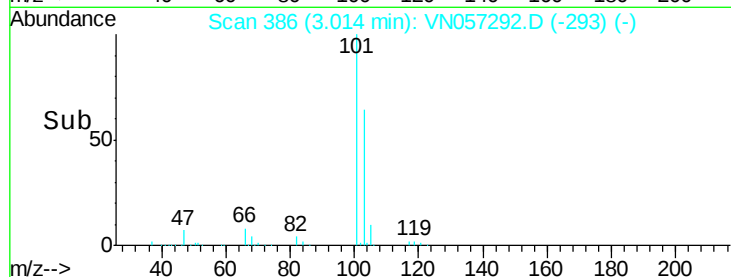
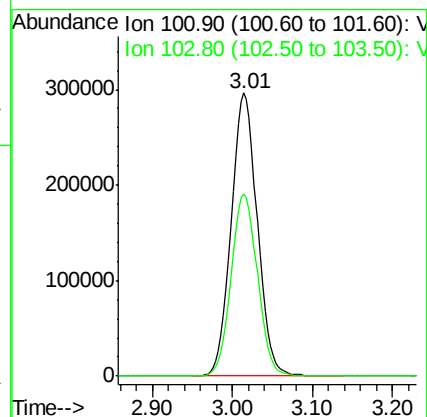
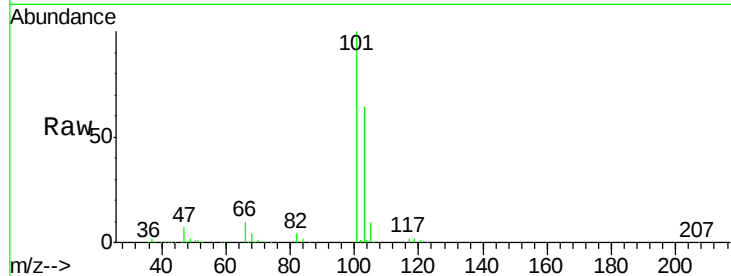
Trichlorofluoromethane
 Concen: 48.635 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		658436		
103	64.4	51.5	77.3		

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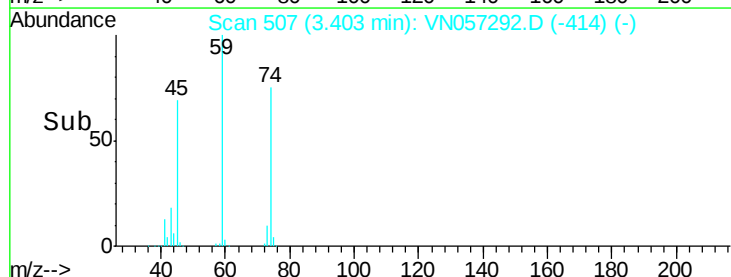
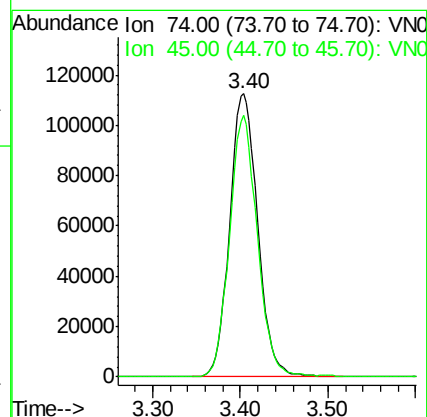
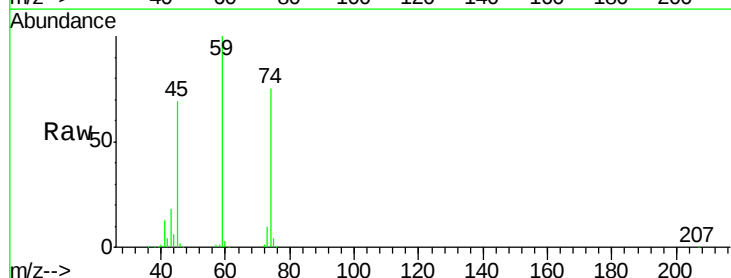
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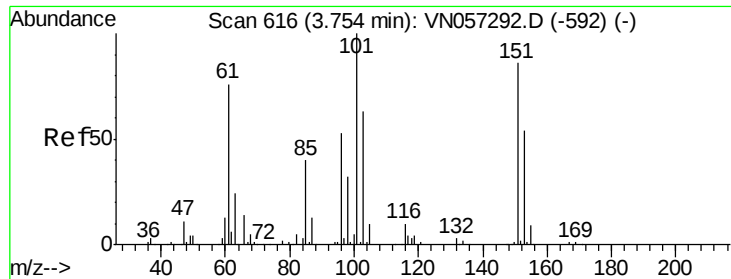


#8

Diethyl Ether
 Concen: 50.686 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		250223		
45	91.7	45.9	137.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.112 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

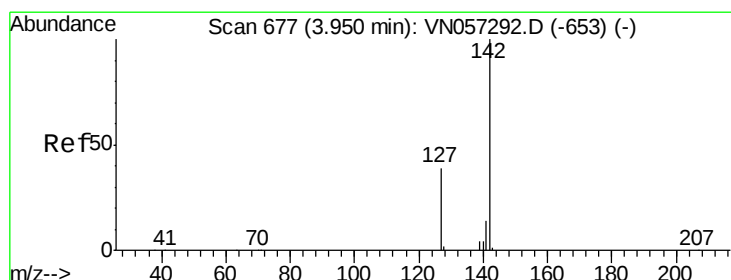
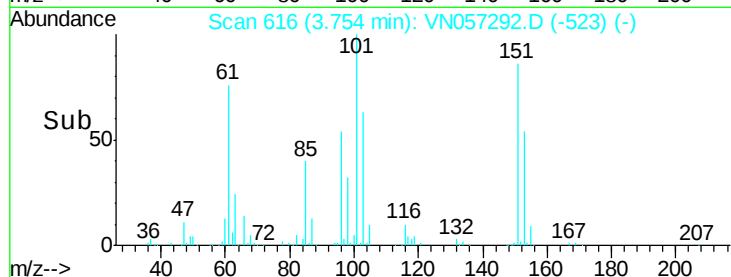
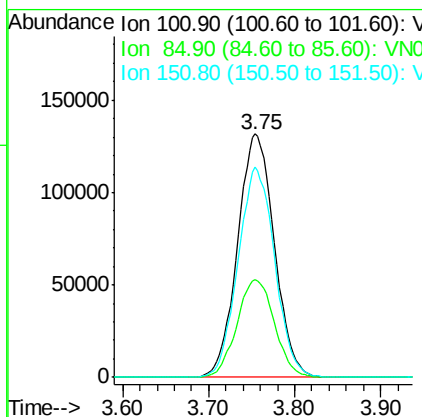
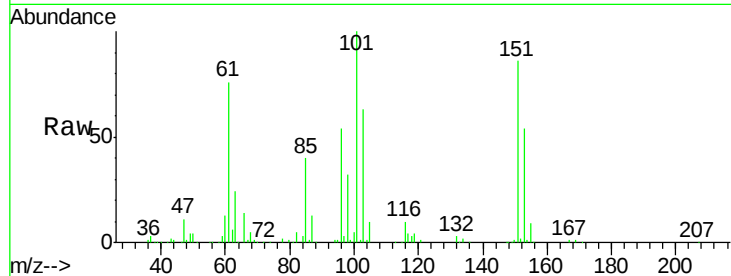
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	390794
Ion Ratio	Lower	Upper	
101	100		
85	40.9	32.7	49.1
151	86.4	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 51.681 ug/l

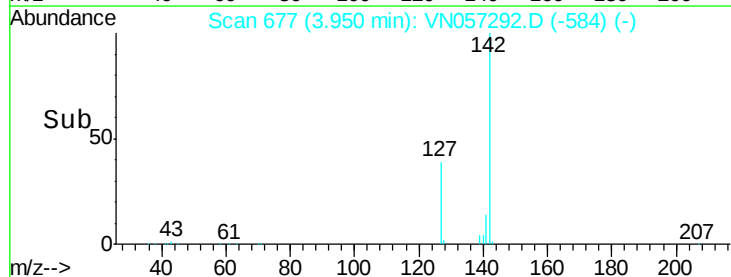
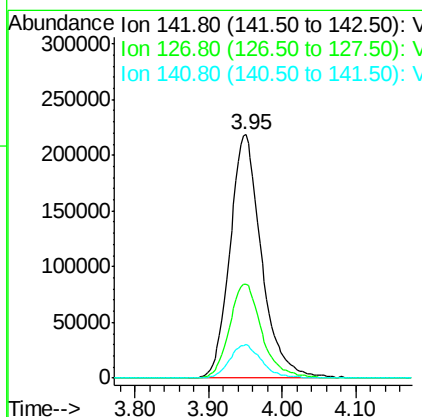
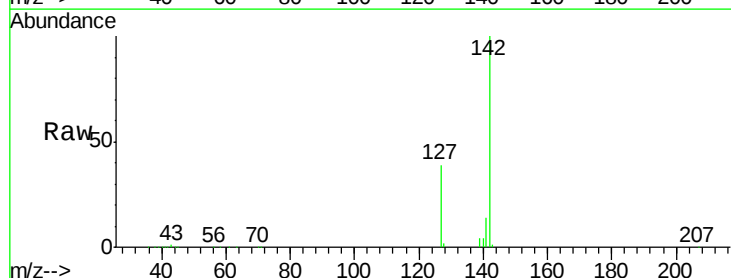
RT: 3.95 min Scan# 677

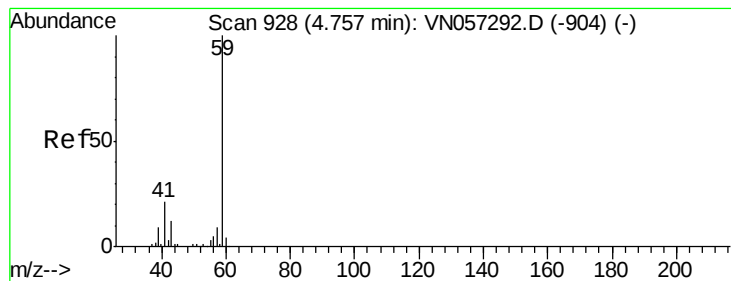
Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Tgt Ion:	142	Resp:	650902
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.6	47.4
141	14.0	11.2	16.8





#11

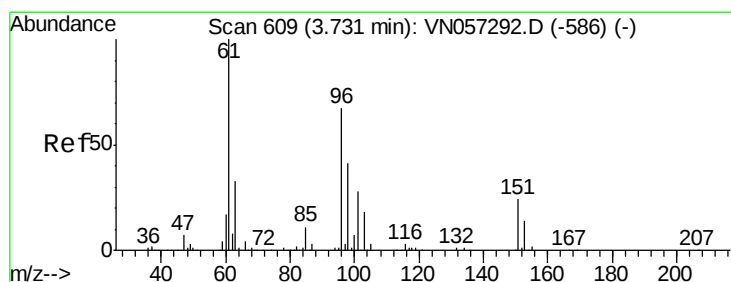
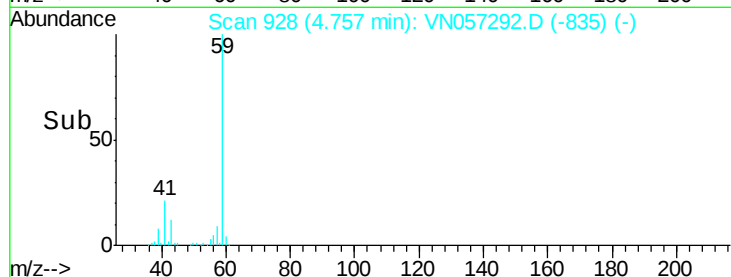
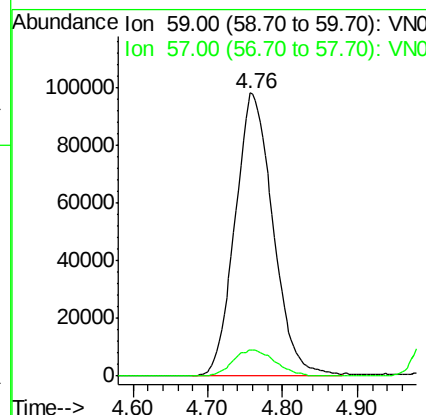
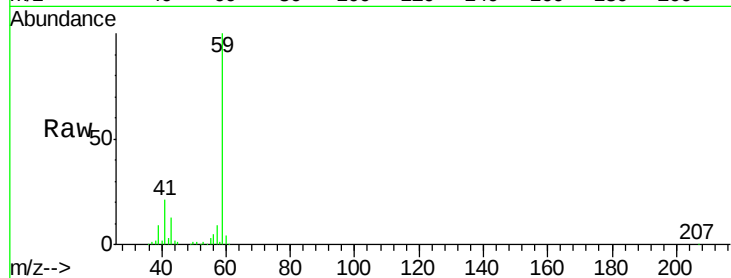
Tert butyl alcohol
Concen: 269.913 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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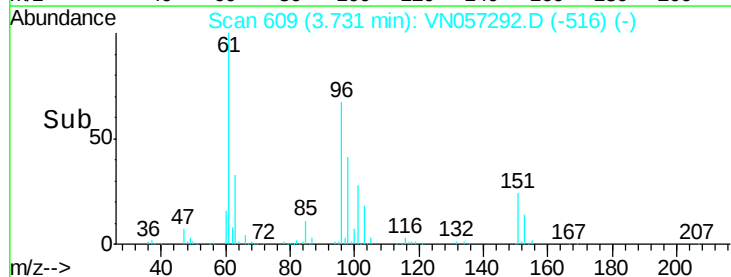
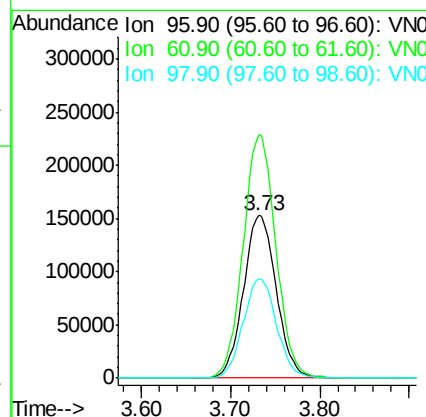
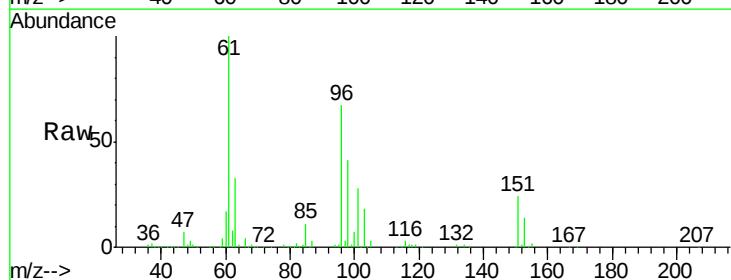
MMDadoda
8/19/2019 1:53:16 AM

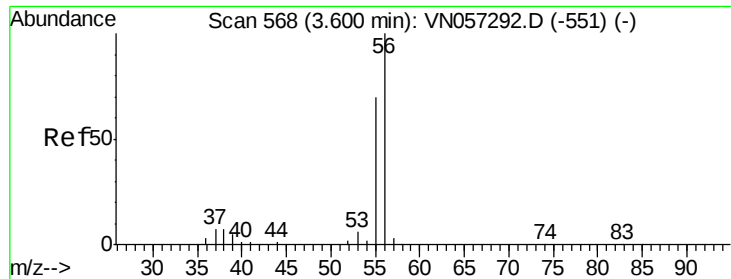


#12

1,1-Dichloroethene
Concen: 48.530 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.6	119.7	179.5
98	61.2	49.0	73.4





#13

Acrolein

Concen: 229.261 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 203085

Ion Ratio Lower Upper

56 100

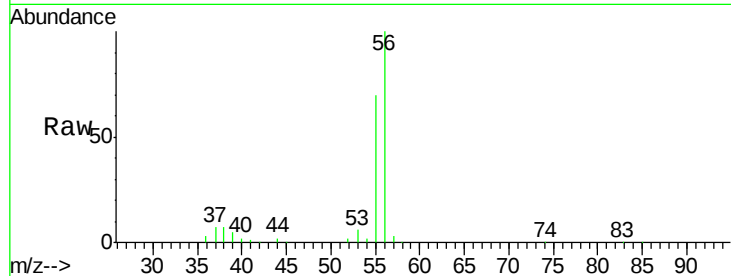
55 70.7 56.6 84.8

Manual Integrations

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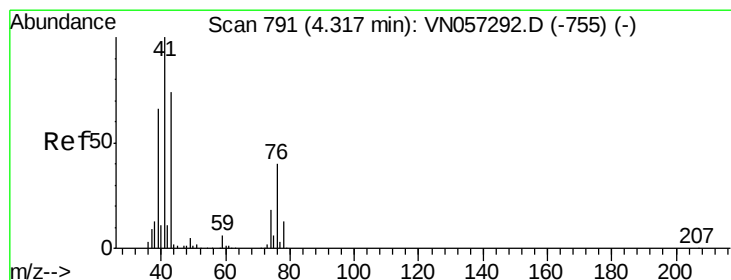
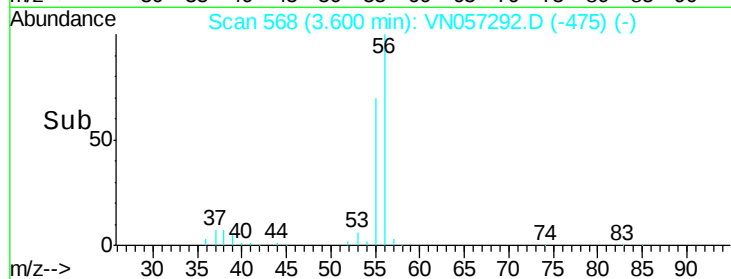
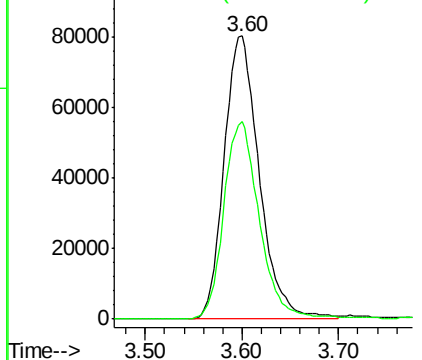
MMdadoda

8/19/2019 1:53:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.217 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

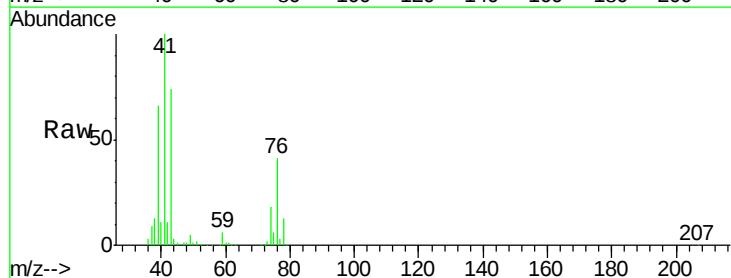
Tgt Ion: 41 Resp: 630957

Ion Ratio Lower Upper

41 100

39 61.3 49.0 73.6

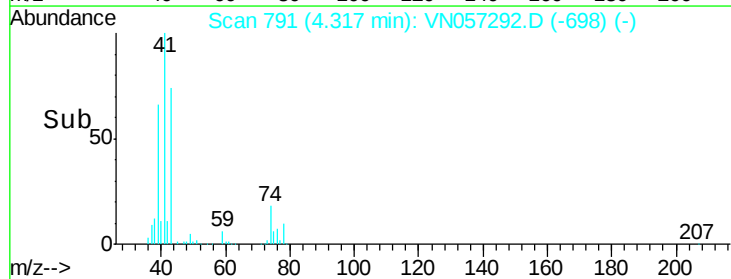
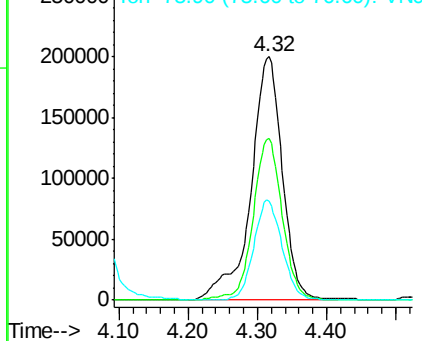
76 36.2 29.0 43.4

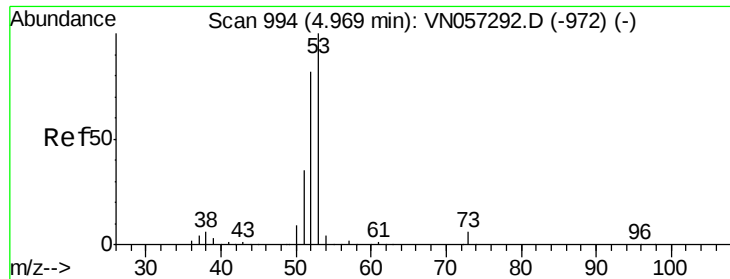


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





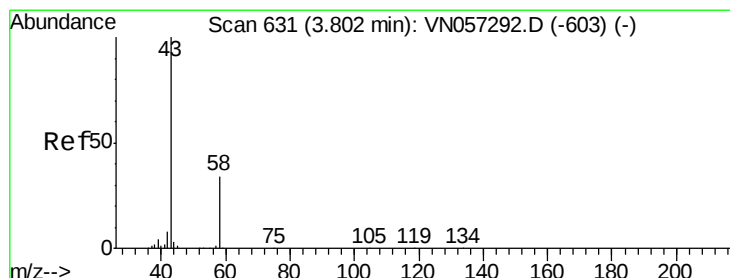
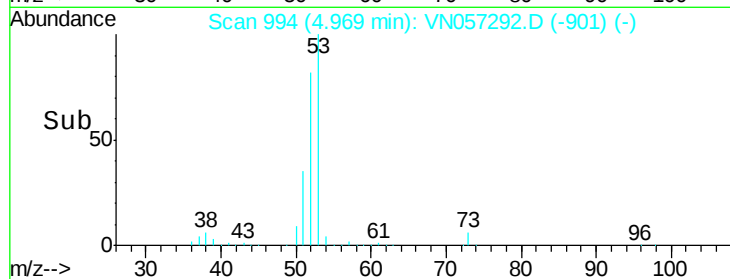
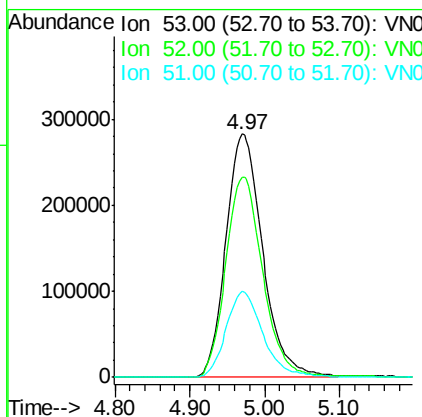
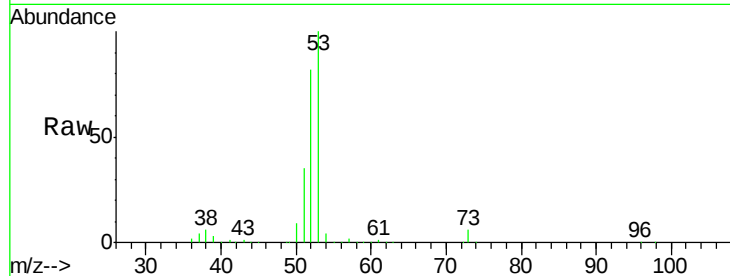
#15
 Acrylonitrile
 Concen: 268.944 ug/l
 RT: 4.97 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	53	Resp:	965340
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	35.6	28.5	42.7

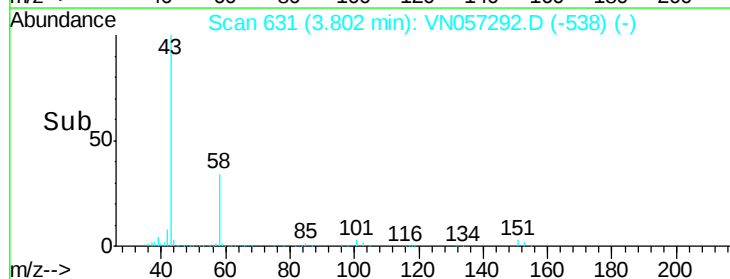
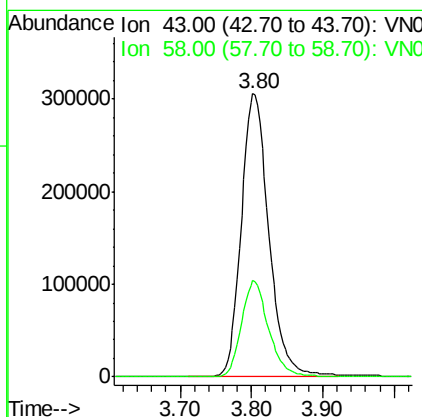
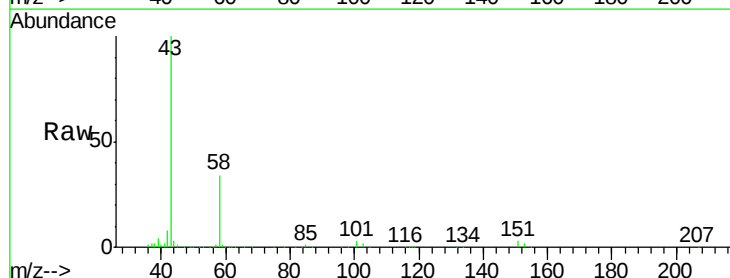
Manual Integrations
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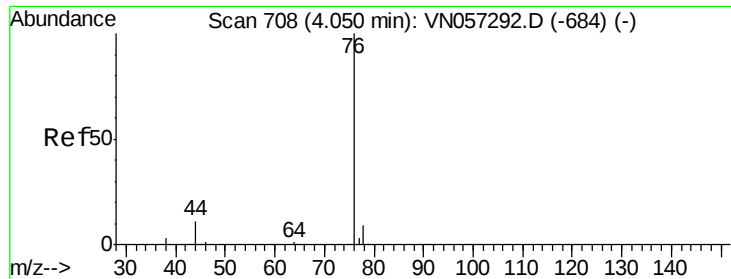
MMDadoda
 8/19/2019 1:53:16 AM



#16
 Acetone
 Concen: 256.445 ug/l
 RT: 3.80 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion:	43	Resp:	825389
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.0	40.6





#17

Carbon Disulfide

Concen: 47.721 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 1048990

Ion Ratio Lower Upper

76 100

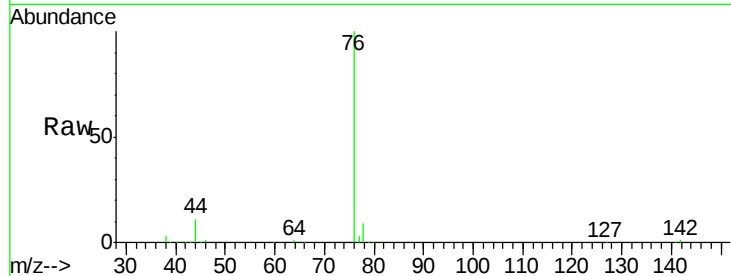
78 8.8 7.0 10.6

Manual Integrations

APPROVED

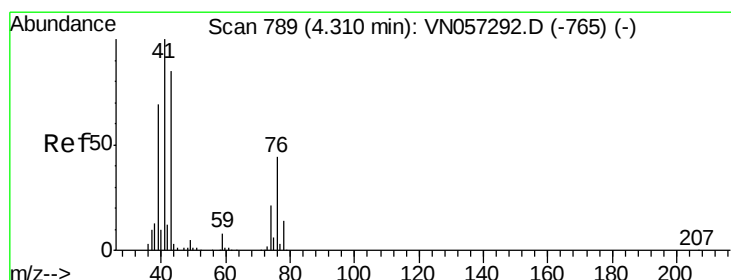
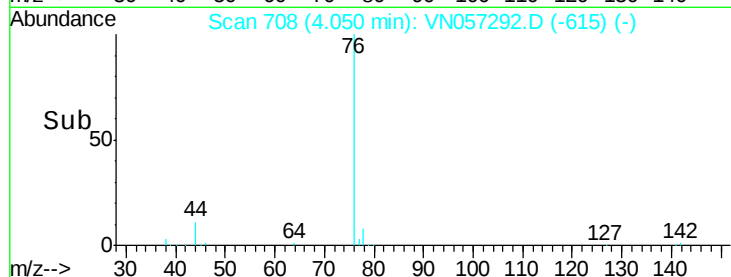
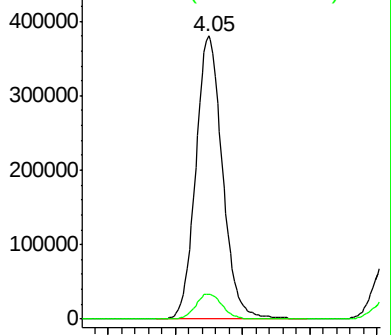
MMdadoda

8/19/2019 1:53:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 41.061 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057292.D

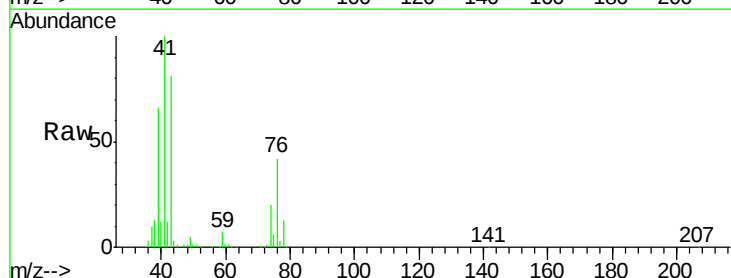
Acq: 14 Aug 2019 17:27

Tgt Ion: 43 Resp: 453634

Ion Ratio Lower Upper

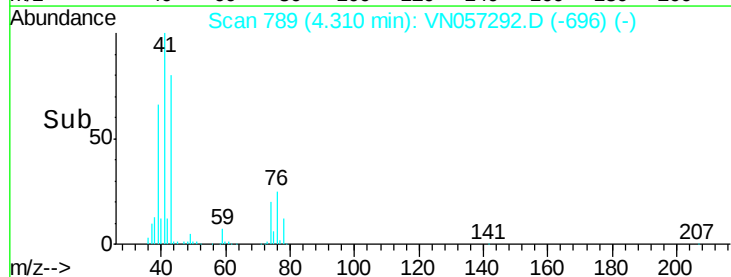
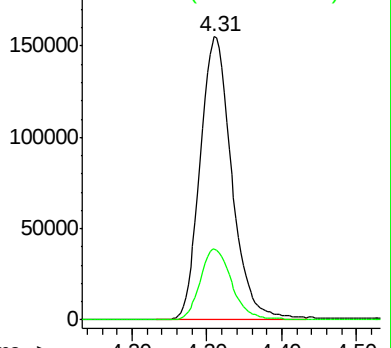
43 100

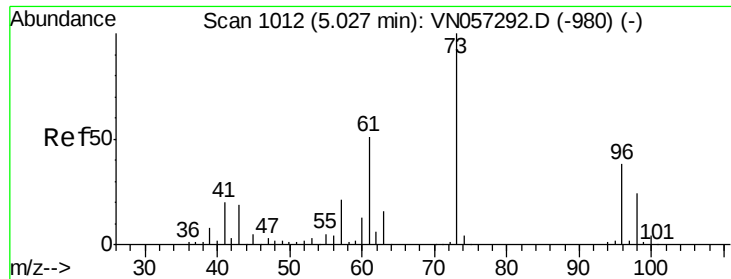
74 25.2 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





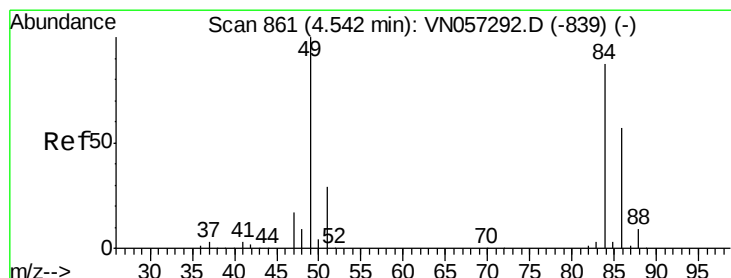
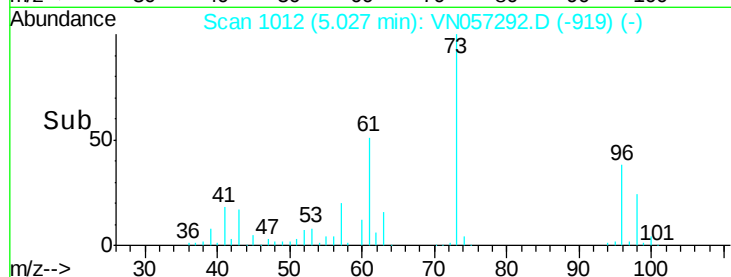
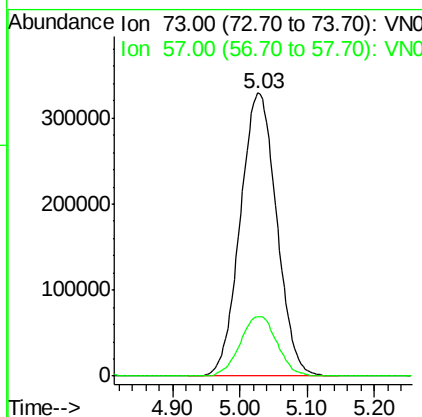
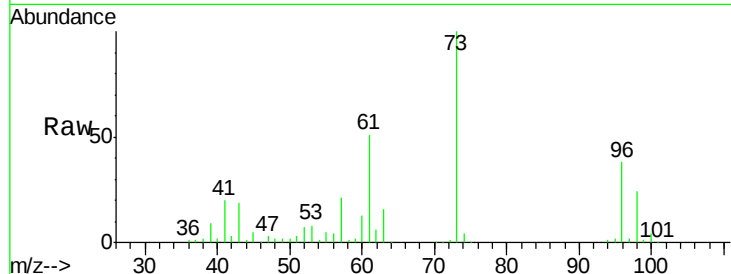
#19
Methyl tert-butyl Ether
Concen: 50.888 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1235031
Ion Ratio Lower Upper
73 100
57 21.1 16.9 25.3

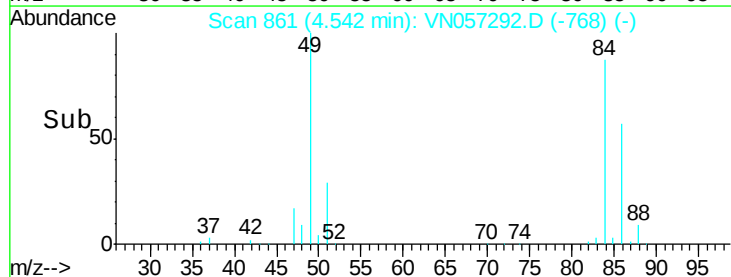
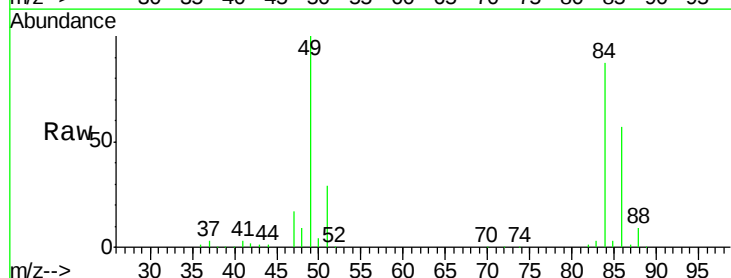
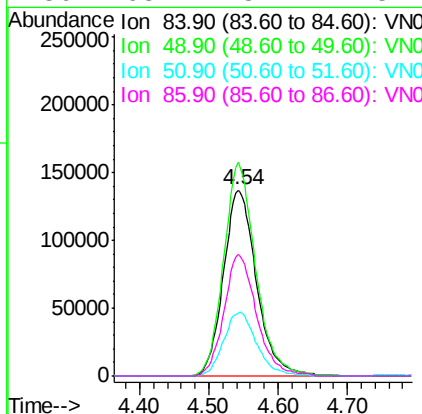
Manual Integrations
APPROVED

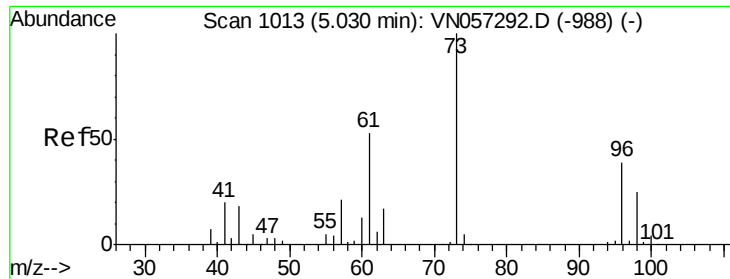
MMdadoda
8/19/2019 1:53:16 AM



#20
Methylene Chloride
Concen: 48.400 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 84 Resp: 455299
Ion Ratio Lower Upper
84 100
49 115.0 92.0 138.0
51 33.9 27.1 40.7
86 65.2 52.2 78.2





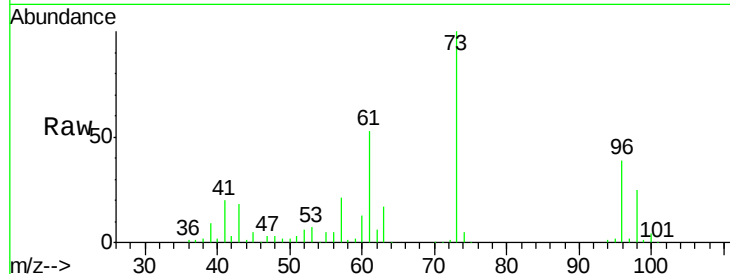
#21
trans-1,2-Dichloroethene
Concen: 48.253 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

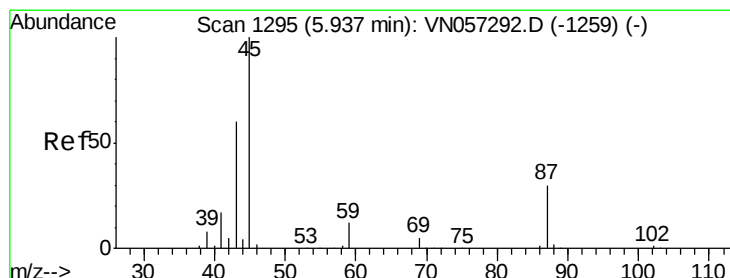
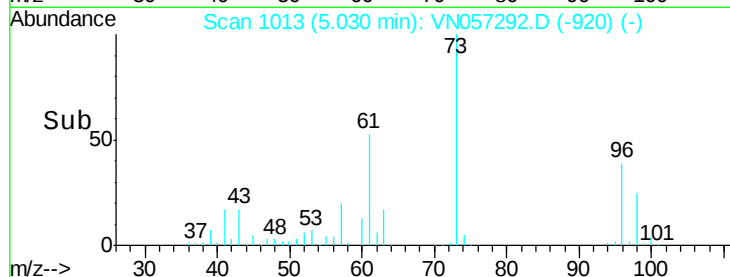
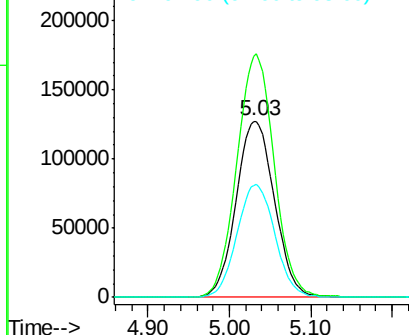
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	109.5	164.3
98	63.8	51.0	76.6

Manual Integrations
APPROVED

MMdadoda
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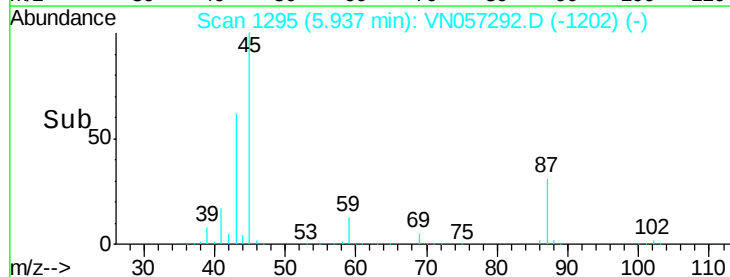
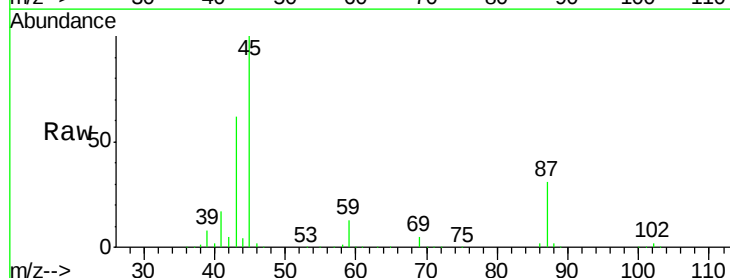
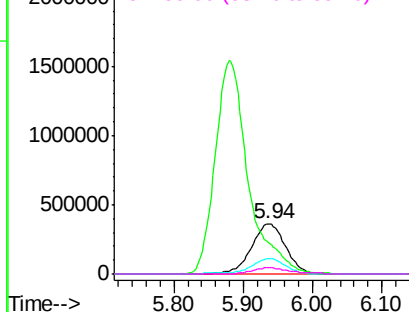
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

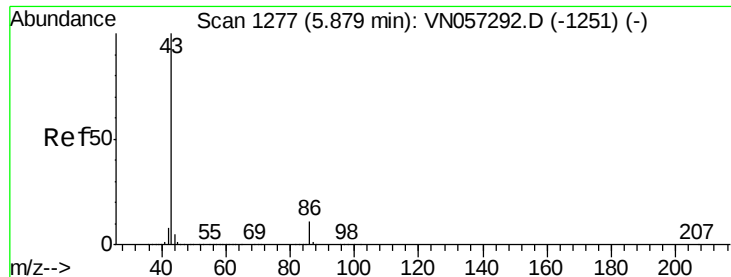


#22
Diisopropyl ether
Concen: 51.025 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.3	72.5
87	30.7	24.6	36.8
59	12.3	9.8	14.8

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 265.550 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 5119550

Ion Ratio Lower Upper

43 100

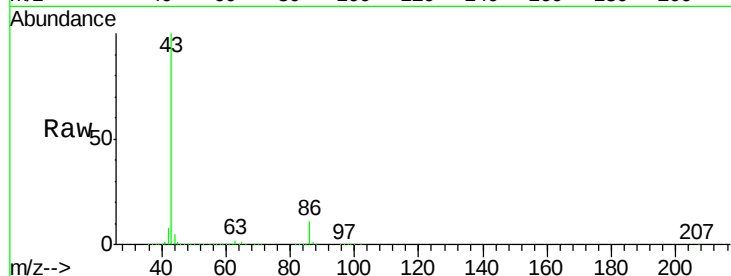
86 10.9 8.7 13.1

Manual Integrations

APPROVED

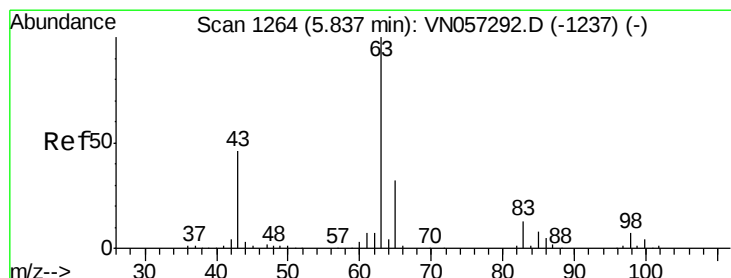
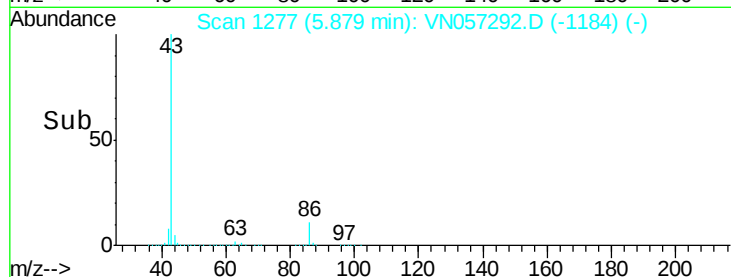
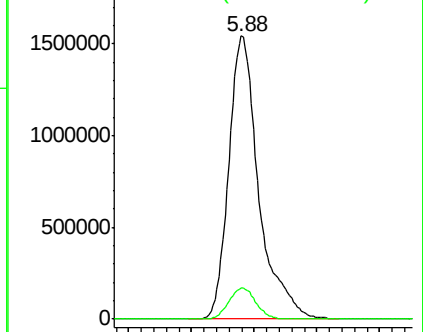
MMdadoda

8/19/2019 1:53:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 49.673 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

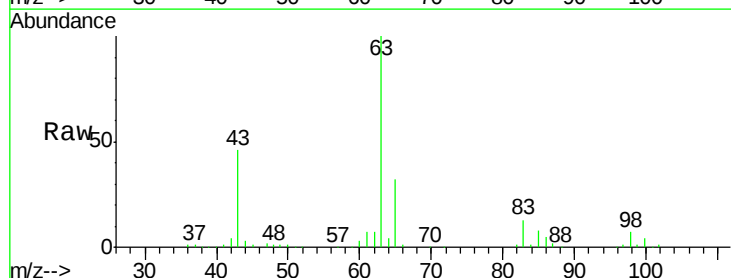
Tgt Ion: 63 Resp: 756376

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

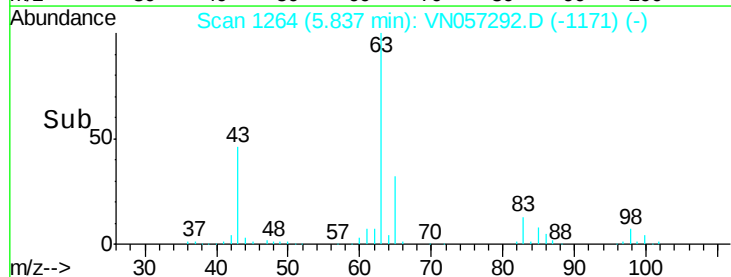
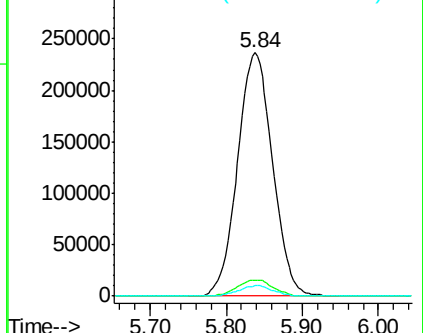
100 4.3 2.1 6.5

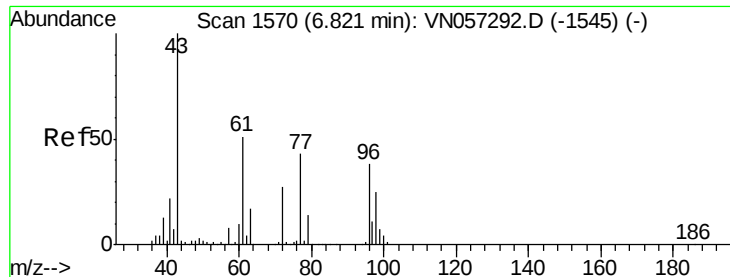


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





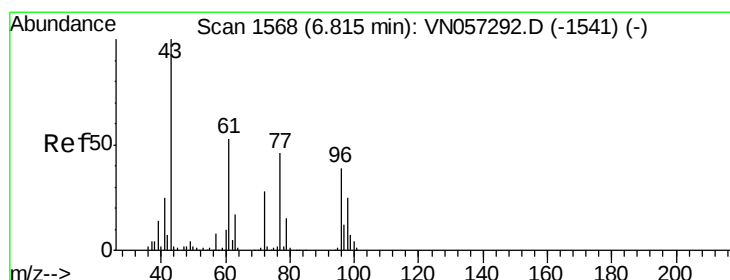
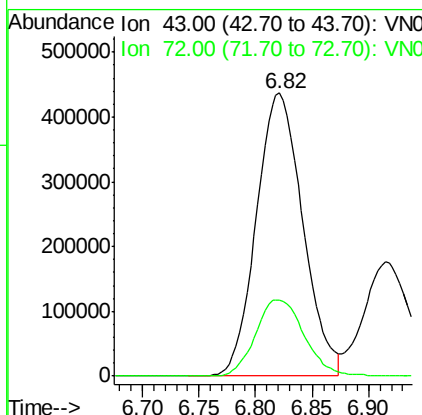
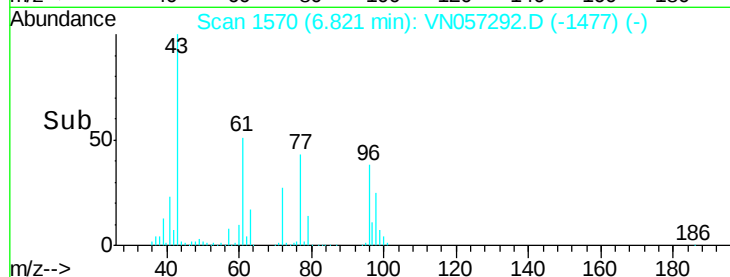
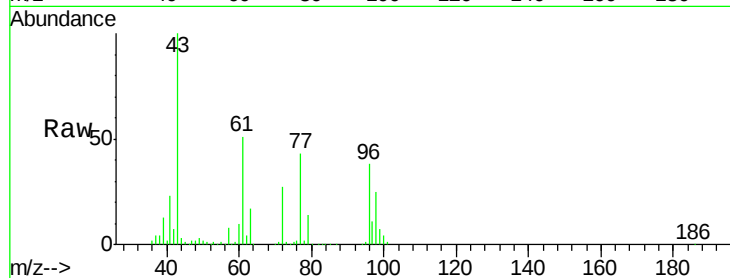
#25
2-Butanone
Concen: 269.026 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1243015
Ion Ratio Lower Upper
43 100
72 26.9 21.5 32.3

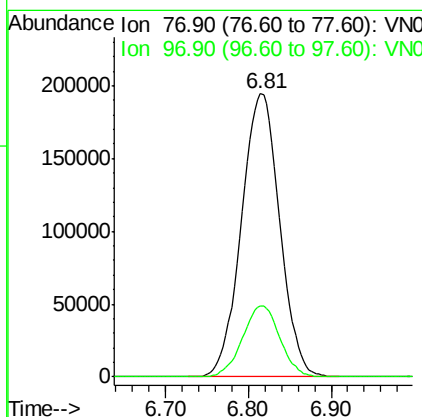
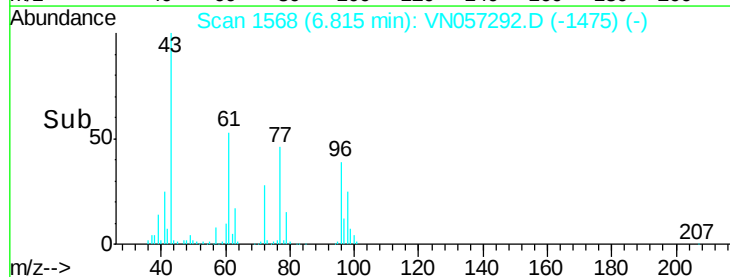
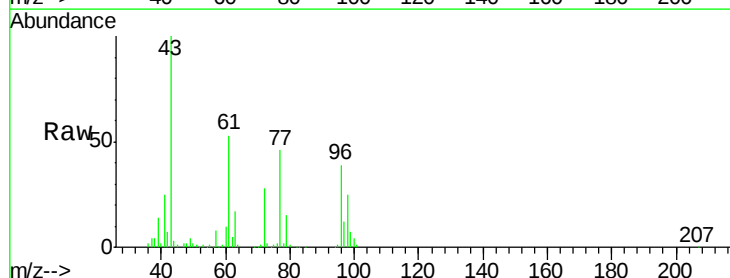
Manual Integrations
APPROVED

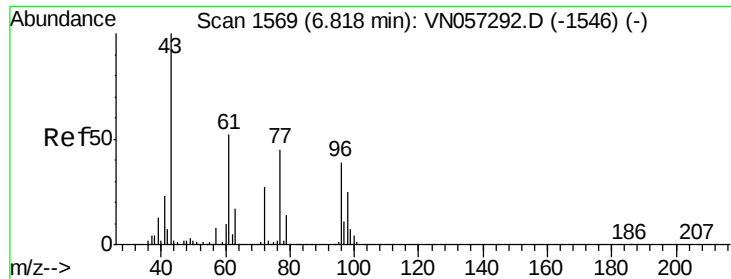
MMdadoda
8/19/2019 1:53:16 AM



#26
2,2-Dichloropropane
Concen: 50.172 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 77 Resp: 623410
Ion Ratio Lower Upper
77 100
97 24.6 12.3 36.9





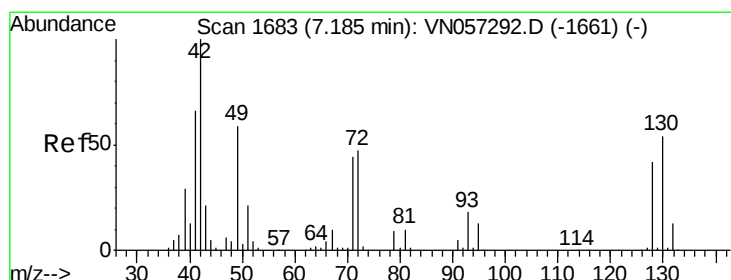
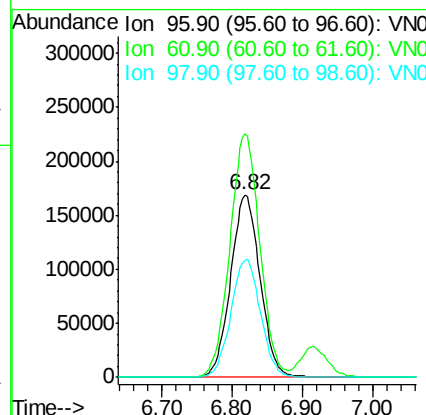
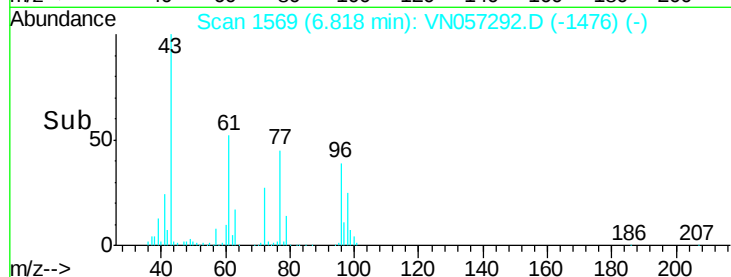
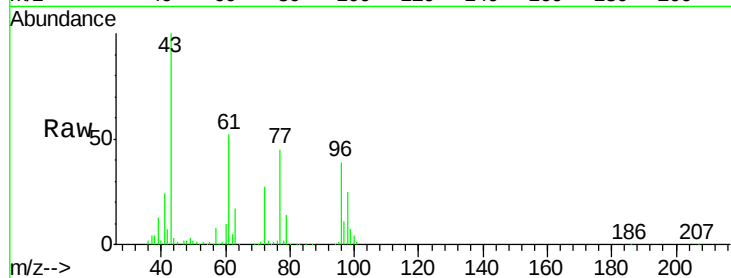
#27
 cis-1,2-Dichloroethene
 Concen: 49.457 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	272.0
98	65.2	0.0	130.4

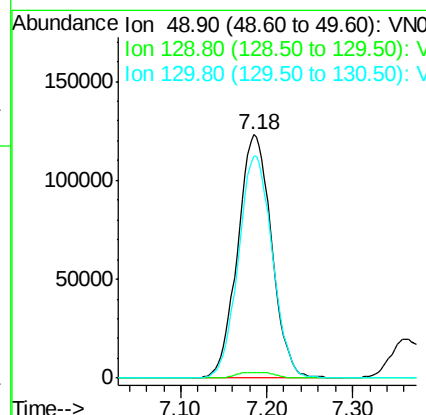
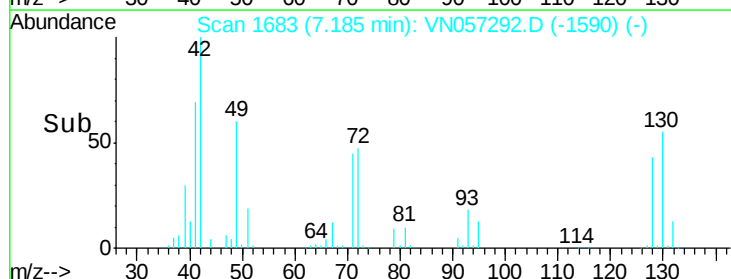
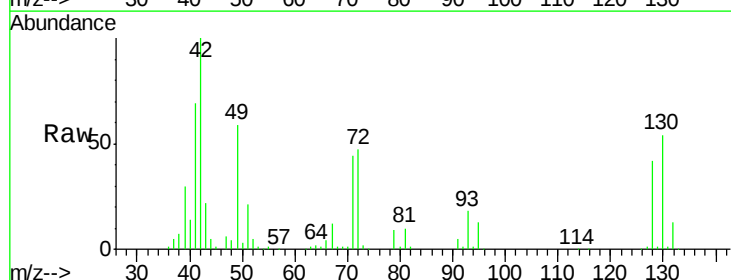
Manual Integrations
 APPROVED

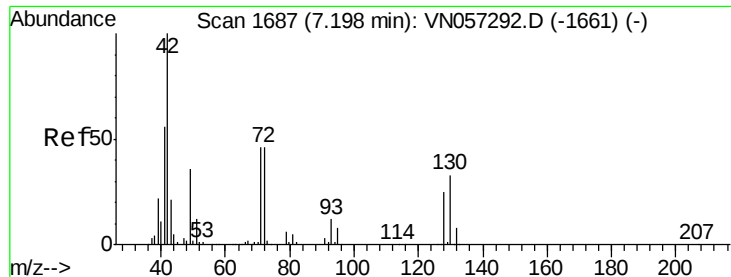
MMDadoda
 8/19/2019 1:53:16 AM



#28
 Bromochloromethane
 Concen: 49.716 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.0
130	91.5	73.2	109.8





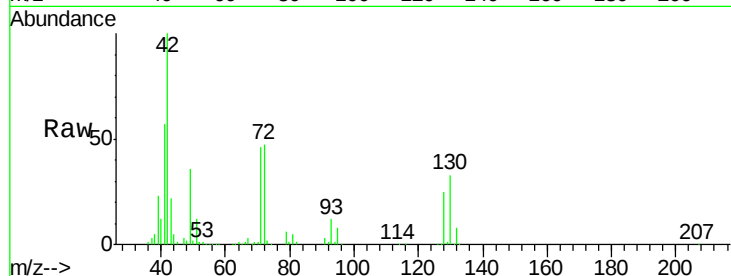
#29
Tetrahydrofuran
Concen: 266.023 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

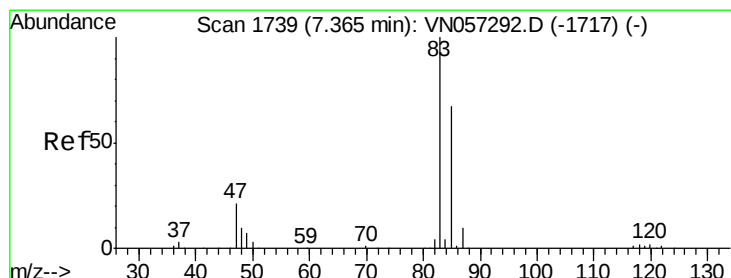
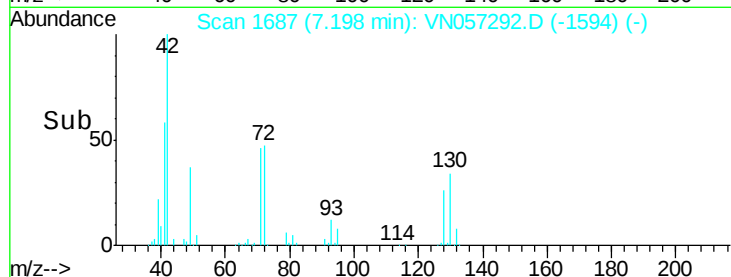
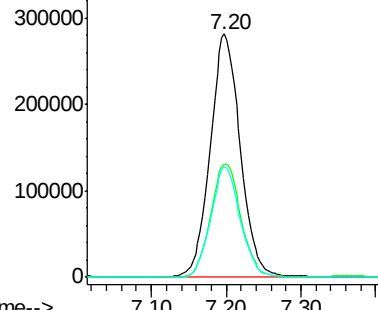
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.6	35.7	53.5

Manual Integrations
APPROVED

MMDadoda
8/19/2019 1:53:16 AM

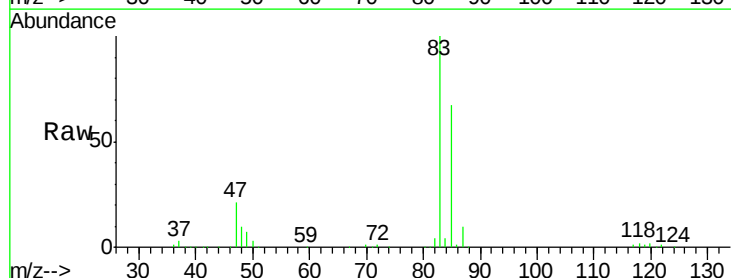


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

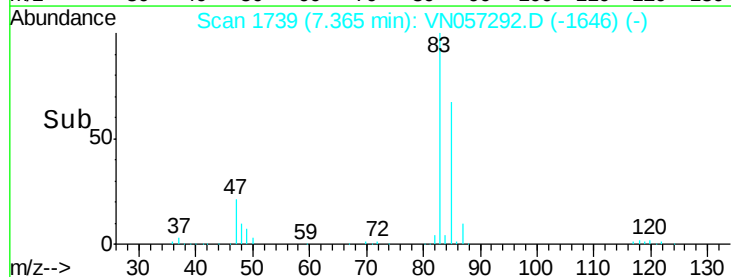
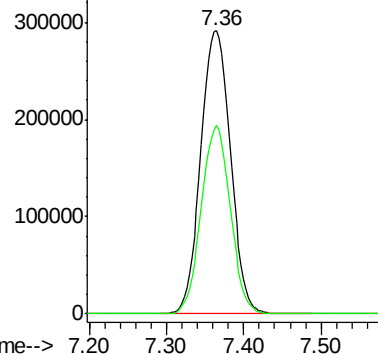


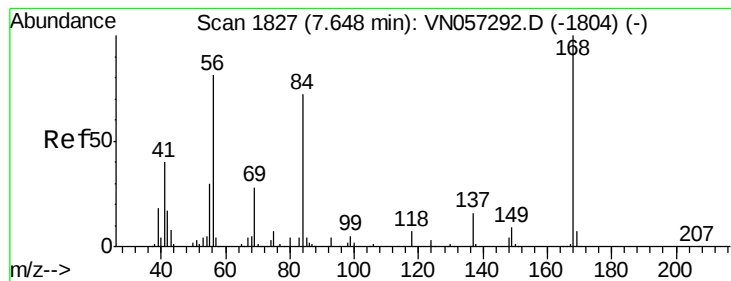
#30
Chloroform
Concen: 48.823 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.3	79.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.056 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 636098

Ion Ratio Lower Upper

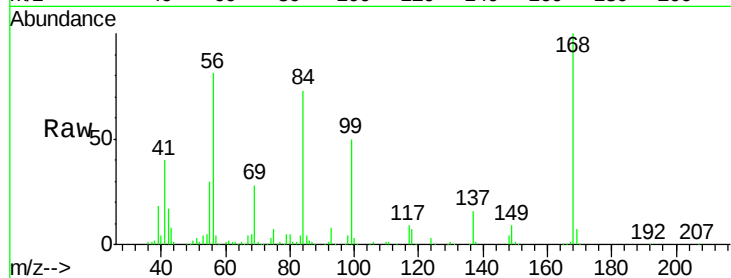
56 100

69 34.1 27.3 40.9

84 88.8 71.0 106.6

Manual Integrations
APPROVED

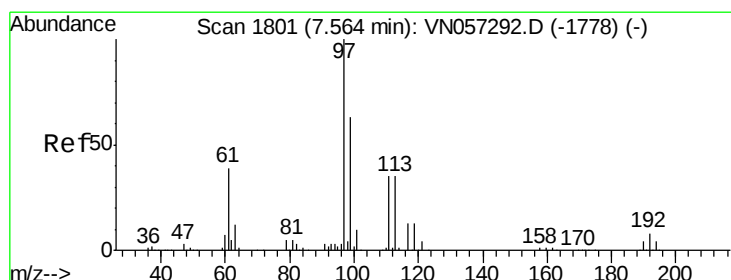
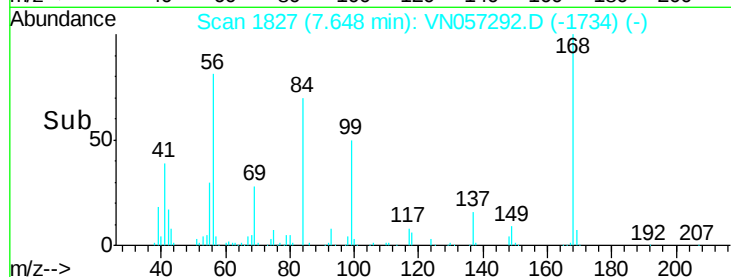
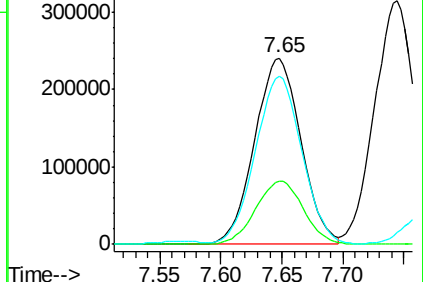
MMdadoda
8/19/2019 1:53:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 51.467 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

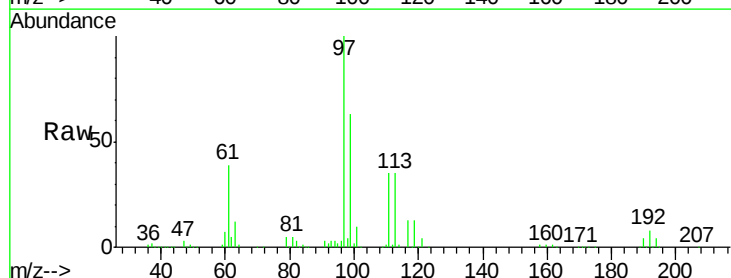
Tgt Ion: 97 Resp: 693495

Ion Ratio Lower Upper

97 100

99 62.9 50.3 75.5

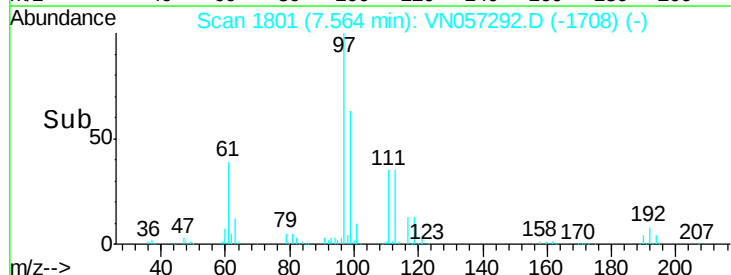
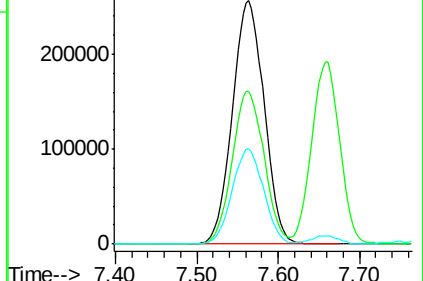
61 39.1 31.3 46.9

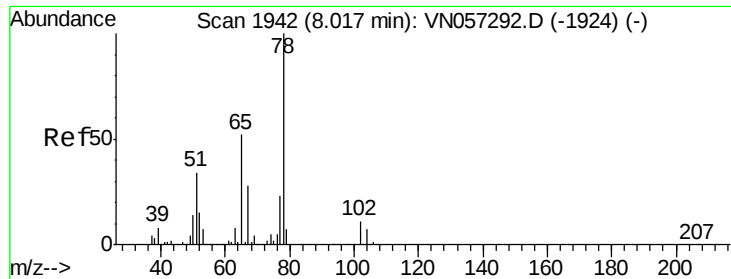


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





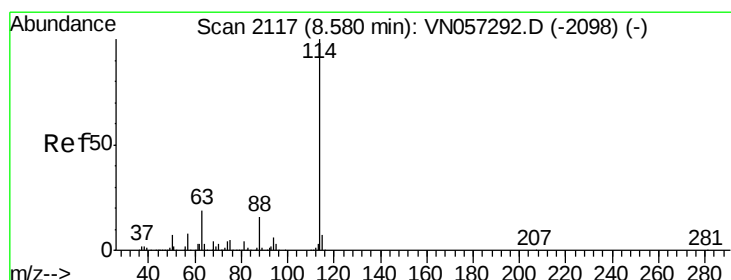
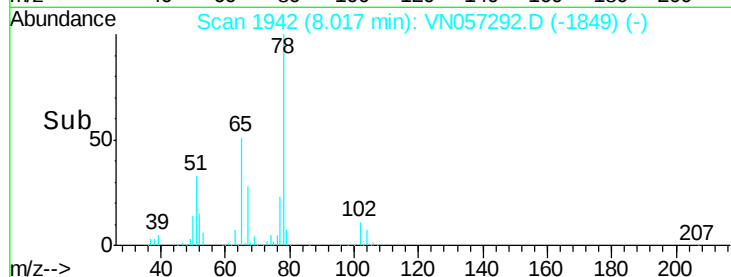
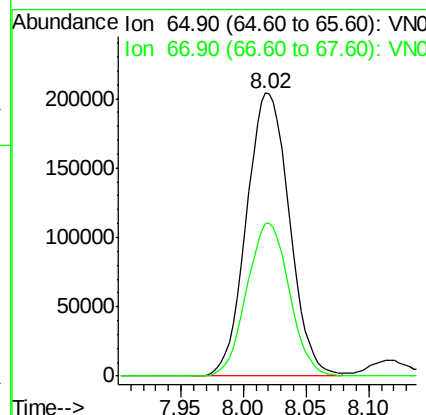
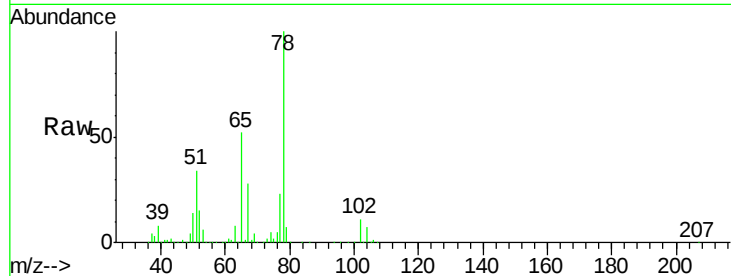
#33
 1,2-Dichloroethane-d4
 Concen: 51.871 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	486075		
67	53.7	0.0	107.4	

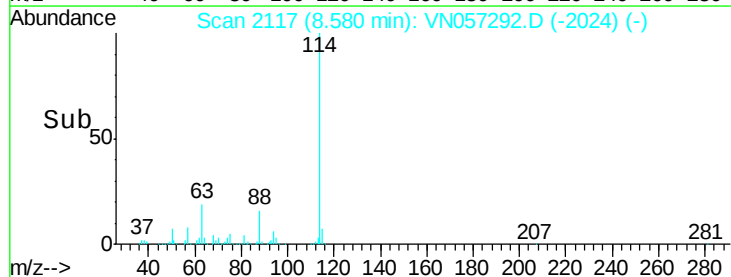
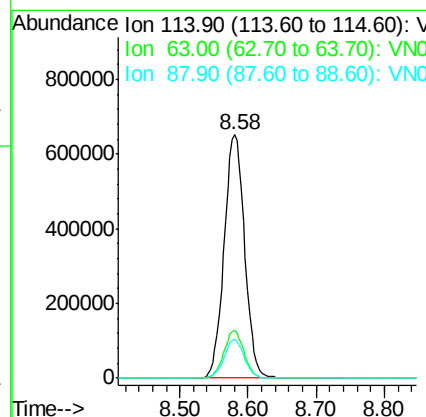
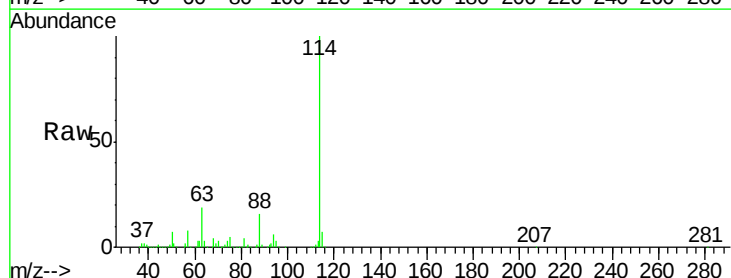
Manual Integrations
 APPROVED

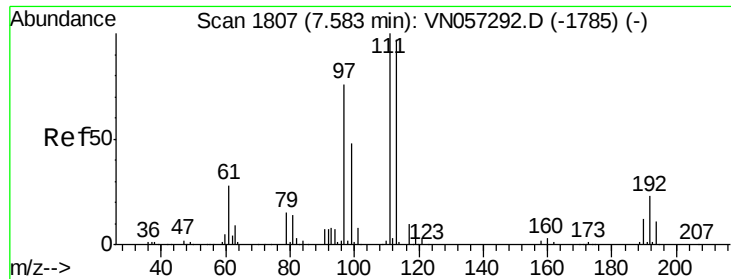
MMdadoda
 8/19/2019 1:53:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1354620		
63	19.4	0.0	38.8	
88	15.7	0.0	31.4	





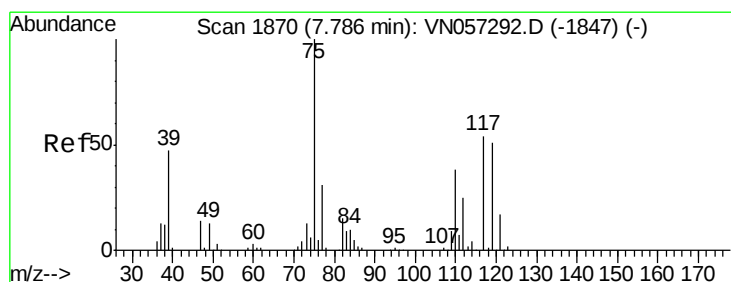
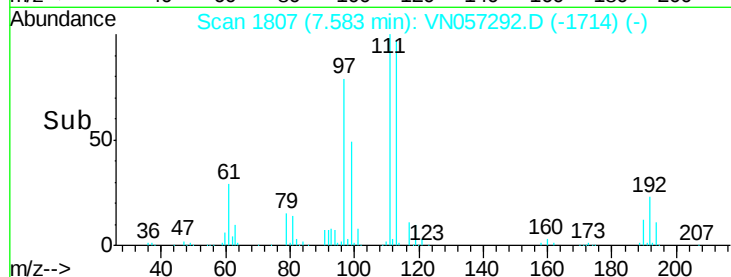
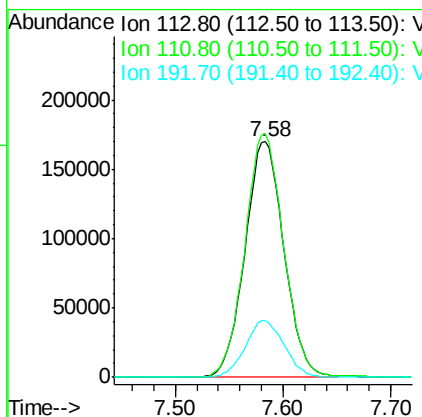
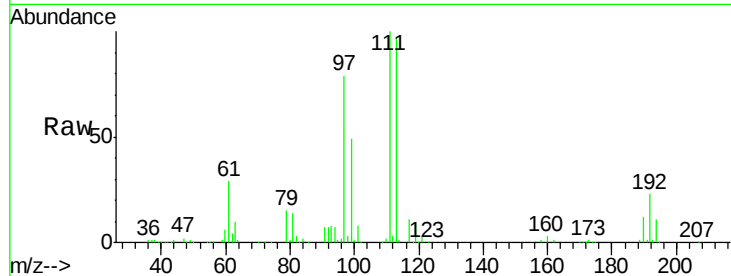
#35
Dibromofluoromethane
Concen: 49.847 ug/l
RT: 7.58 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	427325		
111	102.6	82.1	123.1	
192	24.1	19.3	28.9	

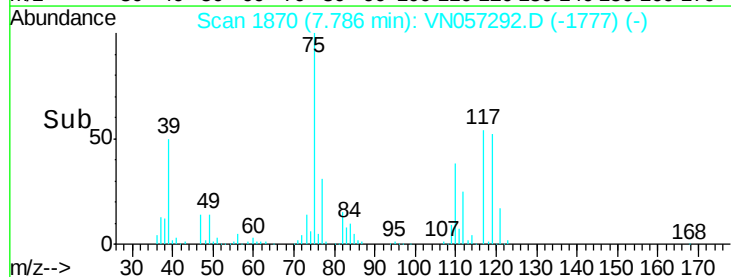
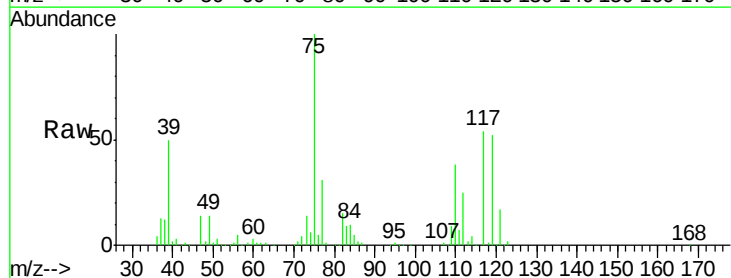
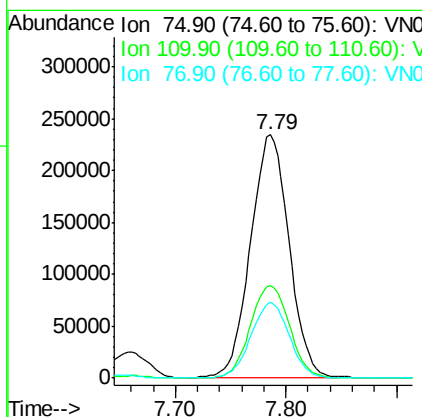
Manual Integrations
APPROVED

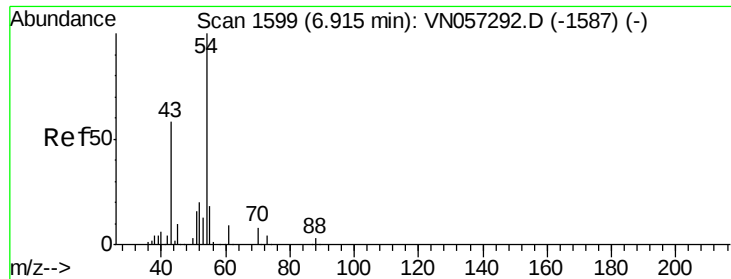
MMDadoda
8/19/2019 1:53:16 AM



#36
1,1-Dichloropropene
Concen: 48.105 ug/l
RT: 7.79 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	565596		
110	39.0	19.5	58.5	
77	31.3	25.0	37.6	





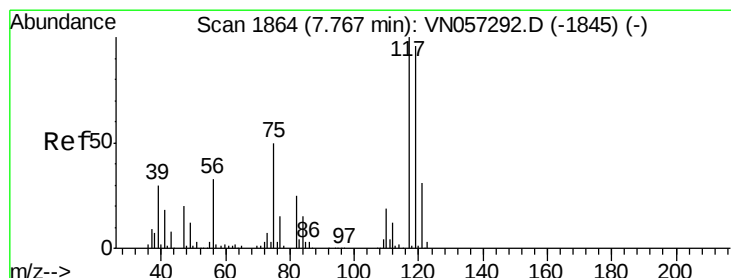
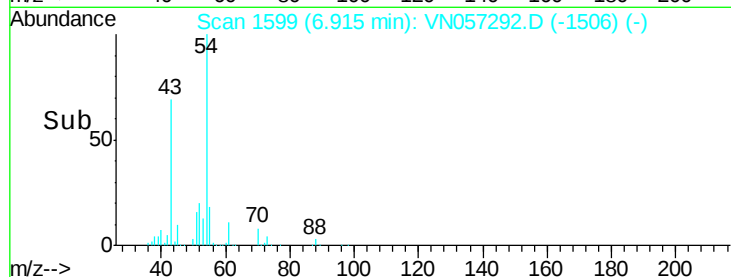
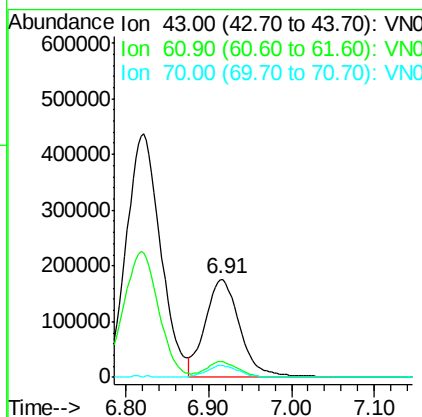
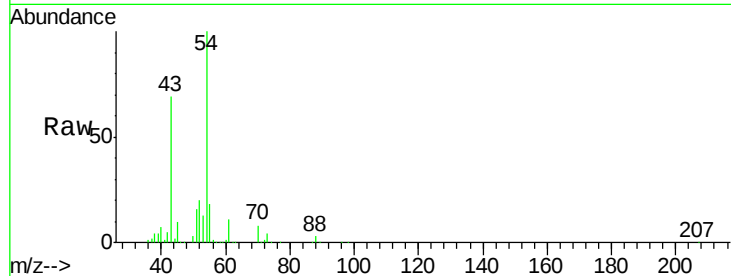
#37
Ethyl Acetate
Concen: 52.694 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	11.5	9.2	13.8

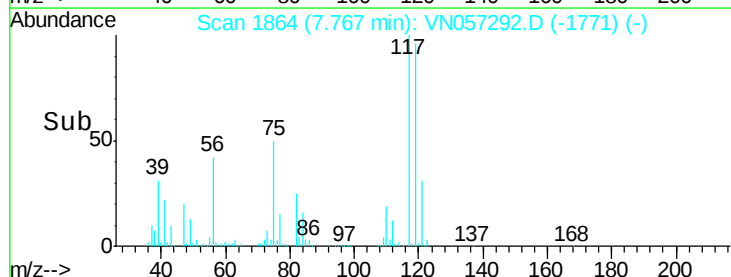
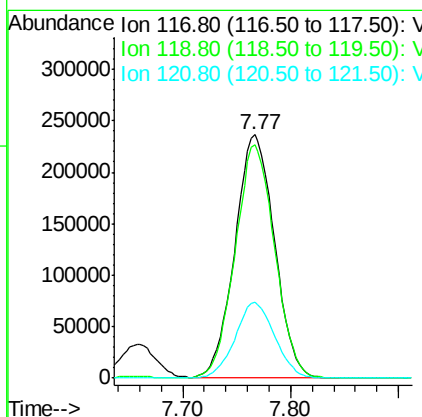
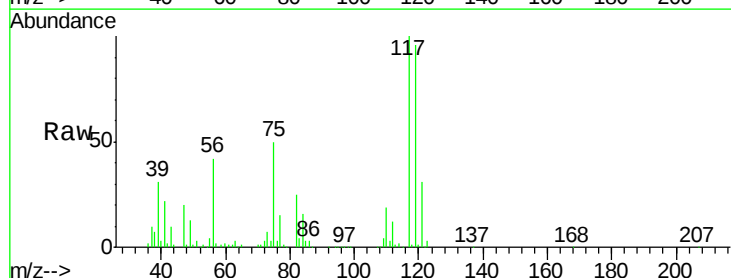
Manual Integrations
APPROVED

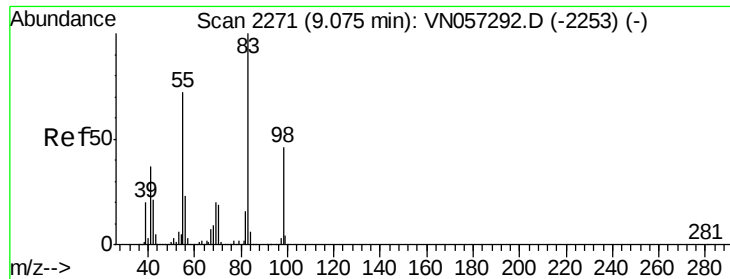
MMdadoda
8/19/2019 1:53:16 AM



#38
Carbon Tetrachloride
Concen: 48.181 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	31.2	25.0	37.4





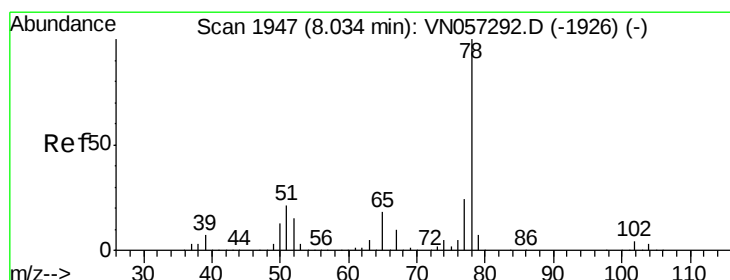
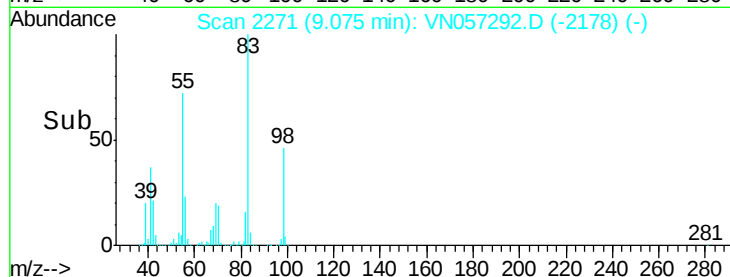
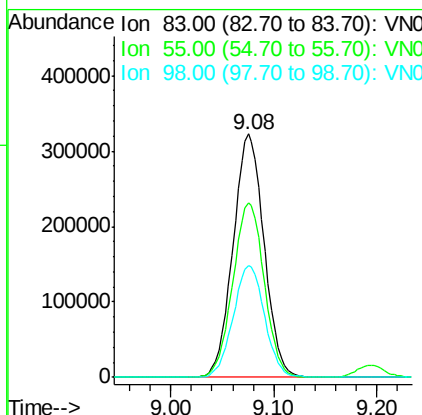
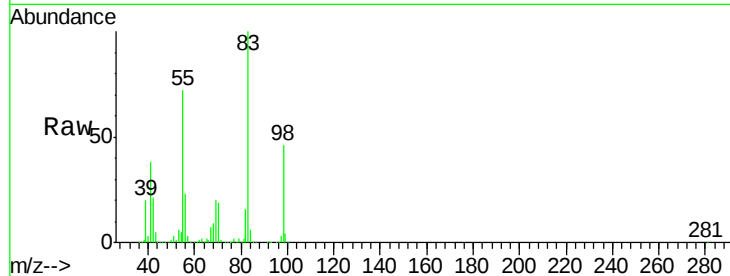
#39
Methvlcvclohexane
Concen: 48.594 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.9	57.5	86.3
98	45.8	36.6	55.0

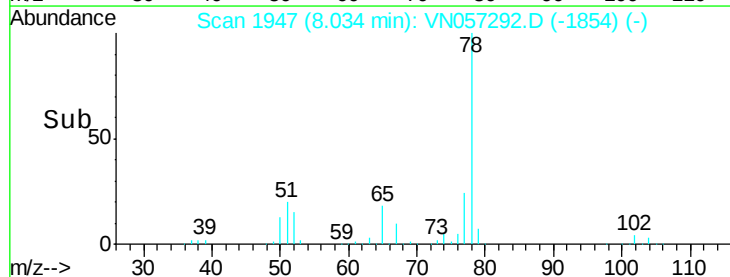
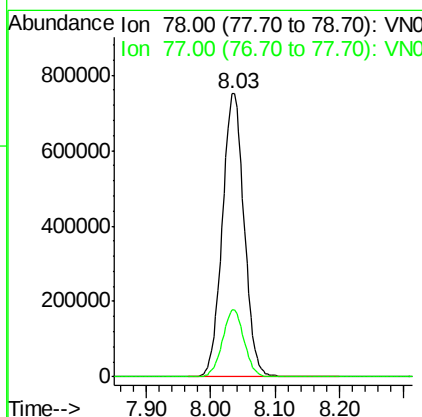
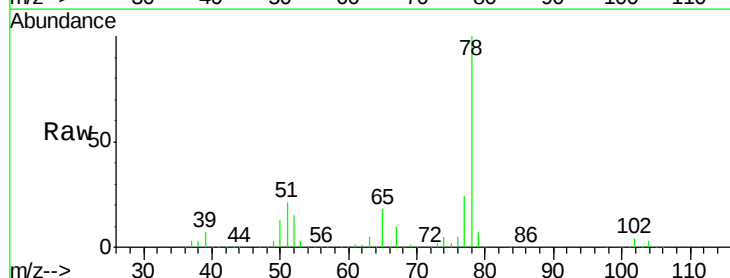
Manual Integrations
APPROVED

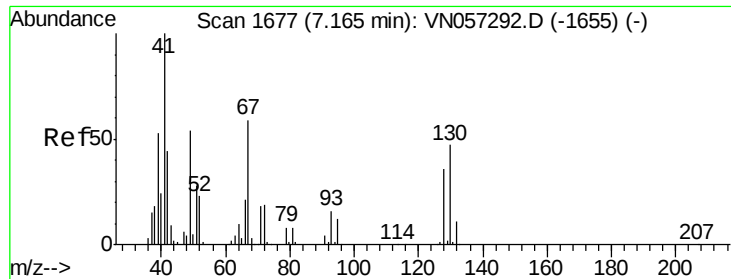
MMdadoda
8/19/2019 1:53:16 AM



#40
Benzene
Concen: 49.143 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





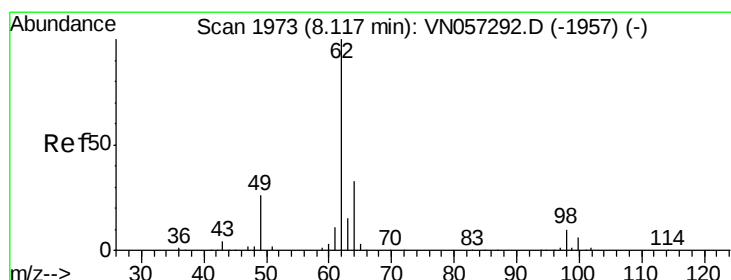
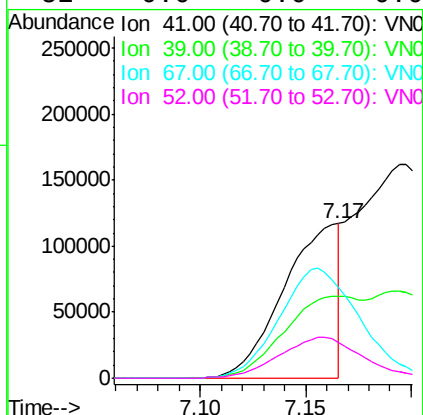
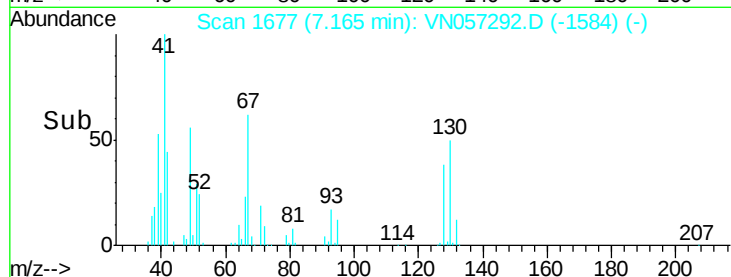
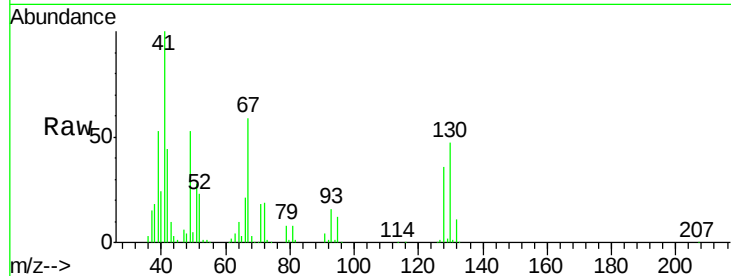
#41
Methacrylonitrile
Concen: 53.257 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		214149		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

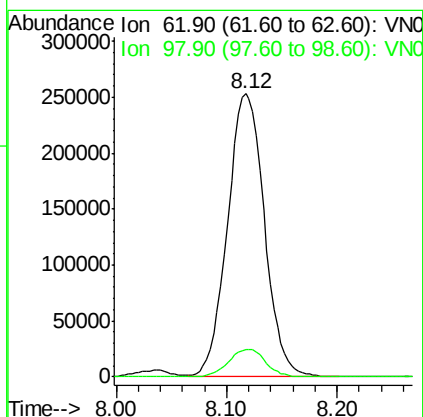
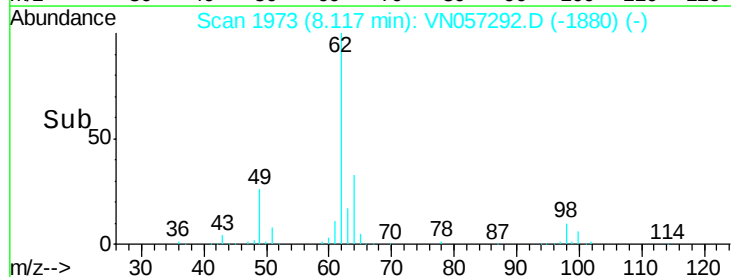
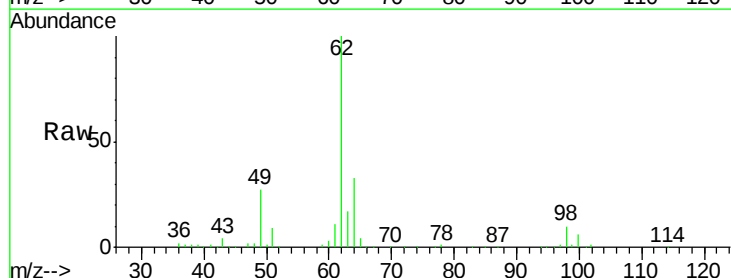
Manual Integrations
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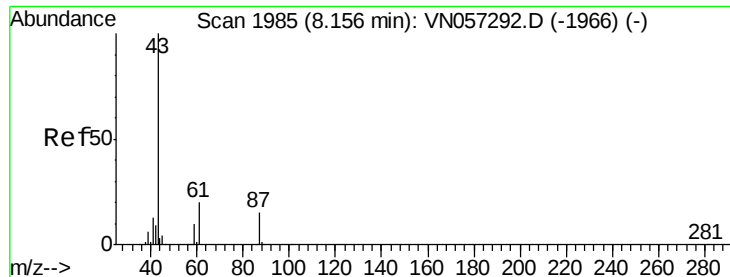
MMDadoda
8/19/2019 1:53:16 AM



#42
1,2-Dichloroethane
Concen: 50.604 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		584169		
98	9.7	0.0	19.4		





#43

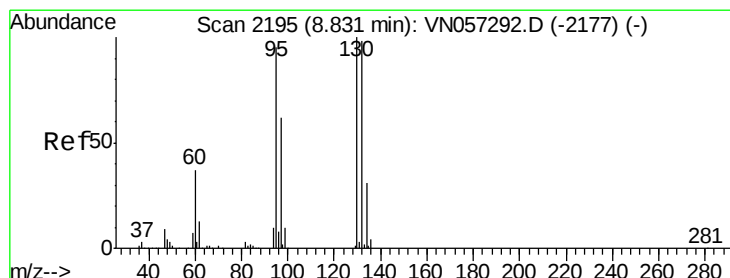
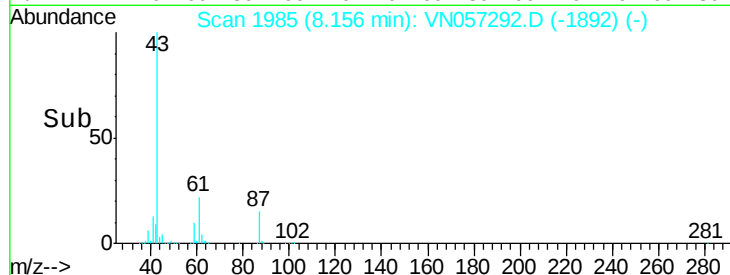
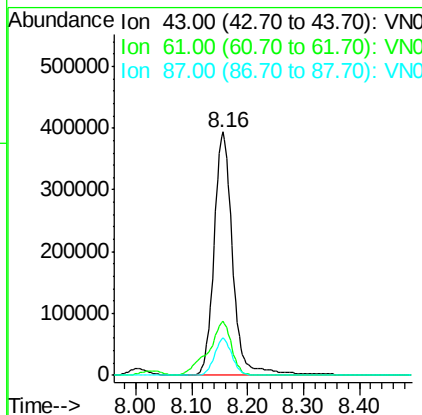
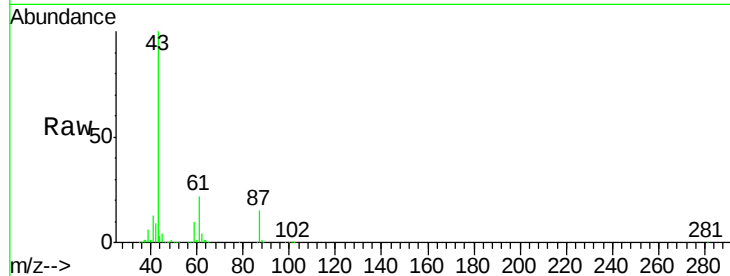
Isopropyl Acetate
 Concen: 56.679 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.6	32.4
87	14.2	11.4	17.0

Manual Integrations
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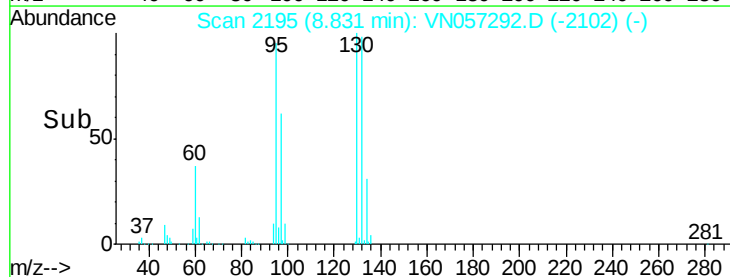
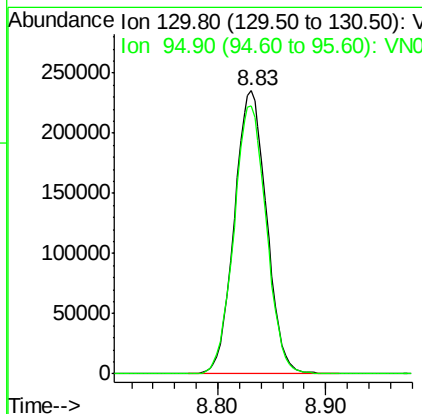
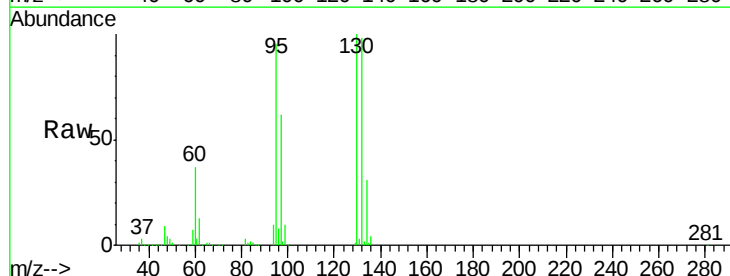
MMDadoda
 8/19/2019 1:53:16 AM

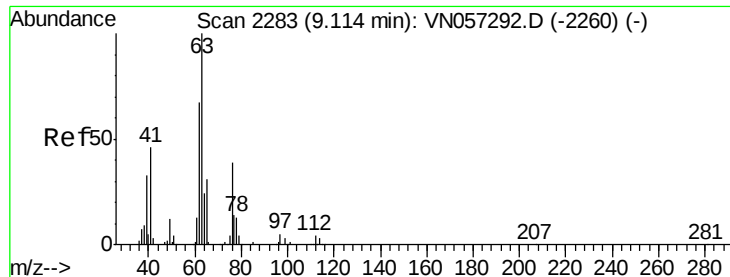


#44

Trichloroethene
 Concen: 47.265 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	189.2





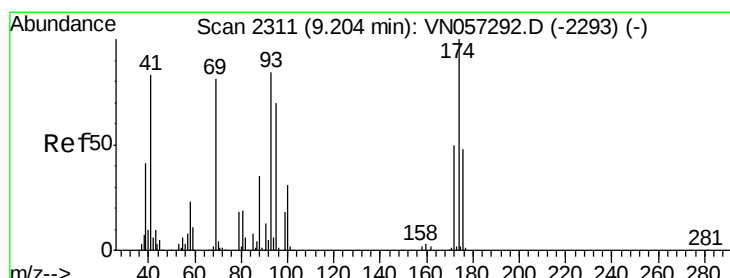
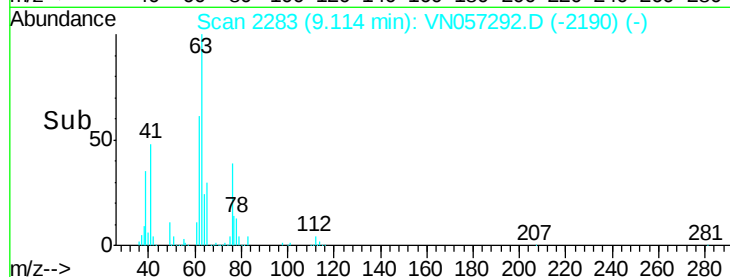
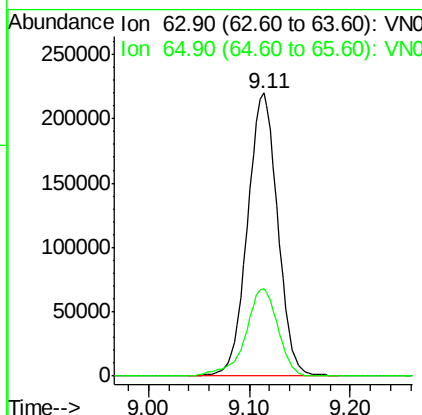
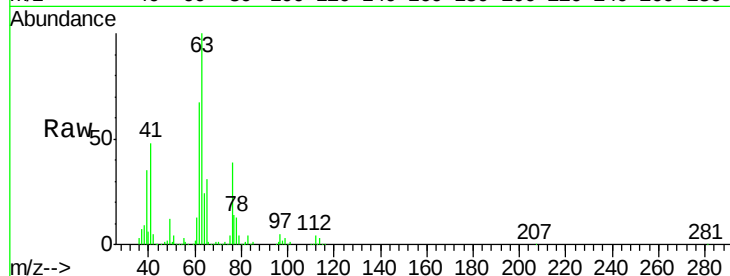
#45
1,2-Dichloropropane
Concen: 49.728 ug/l
RT: 9.11 min Scan# 2283
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.8	37.2

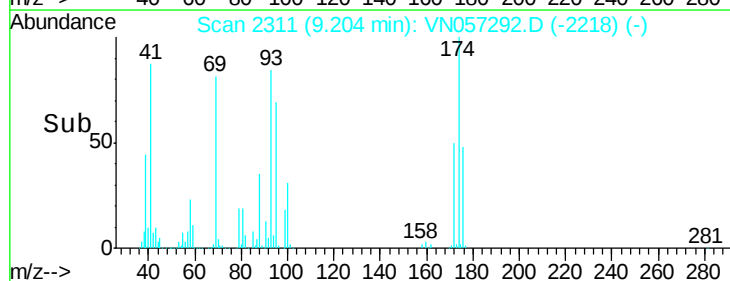
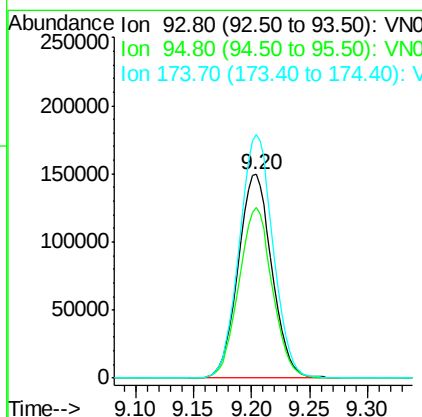
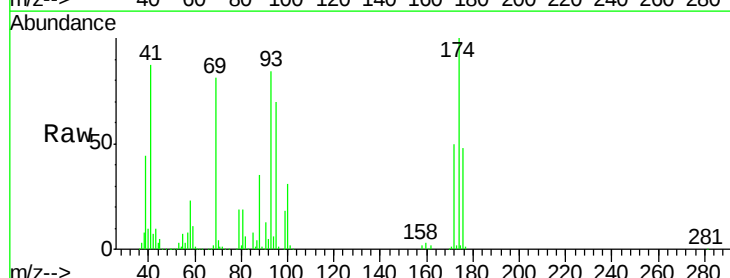
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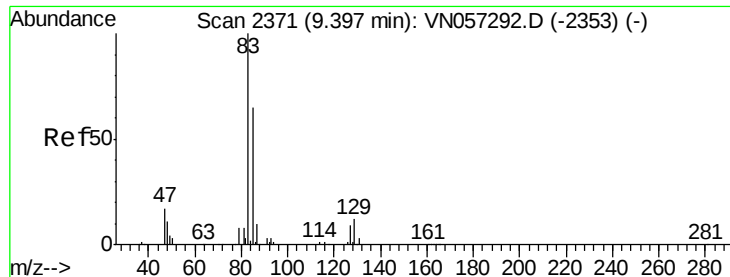
MMdadoda
8/19/2019 1:53:16 AM



#46
Dibromomethane
Concen: 49.445 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.5	99.7
174	119.6	95.7	143.5





#47

Bromodichloromethane

Concen: 51.440 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

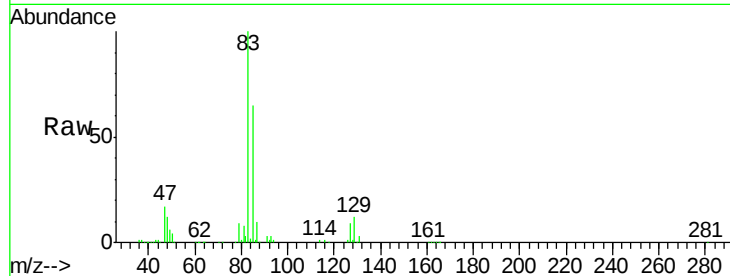
ClientSampleId :

VSTDICCC050

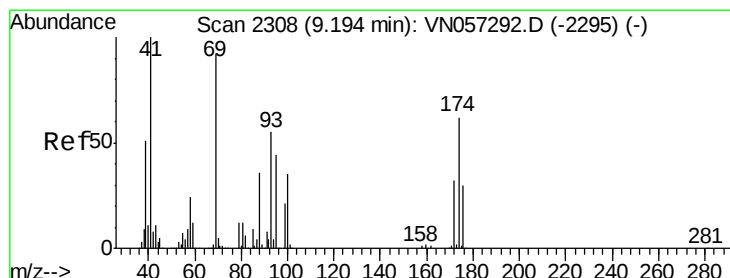
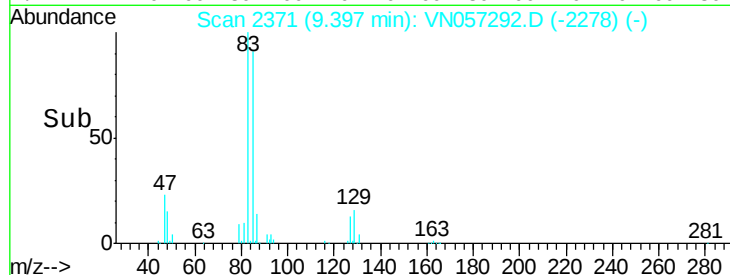
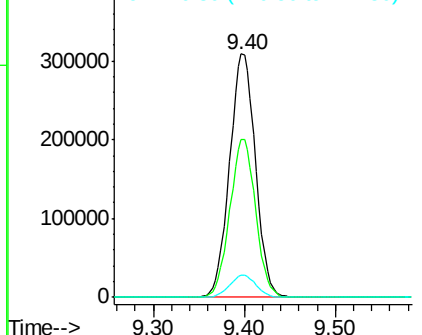
Tot Ion:	83	Resp:	609410
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.9	77.9
127	9.0	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.385 ug/l

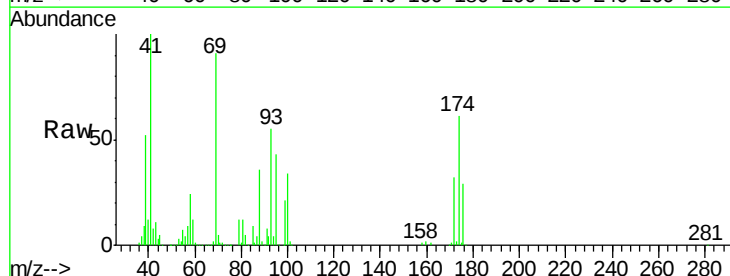
RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

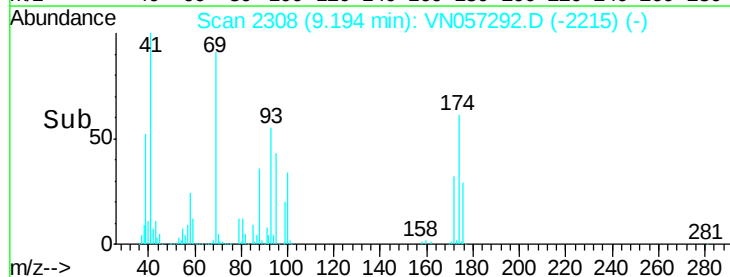
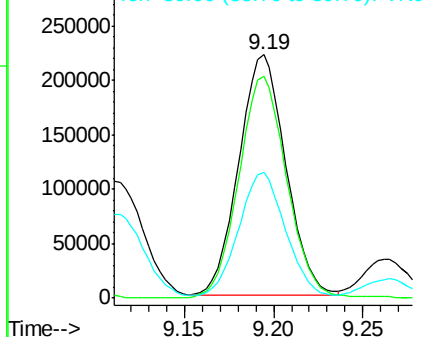
Lab File: VN057292.D

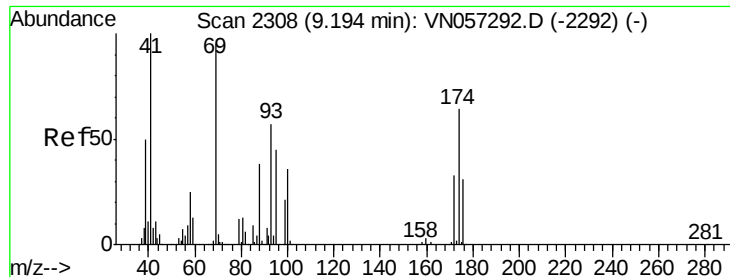
Acq: 14 Aug 2019 17:27

Tgt Ion:	41	Resp:	406329
Ion Ratio	Lower	Upper	
41	100		
69	94.9	75.9	113.9
39	52.9	42.3	63.5



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





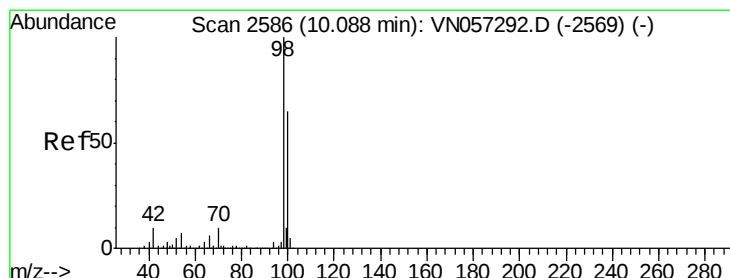
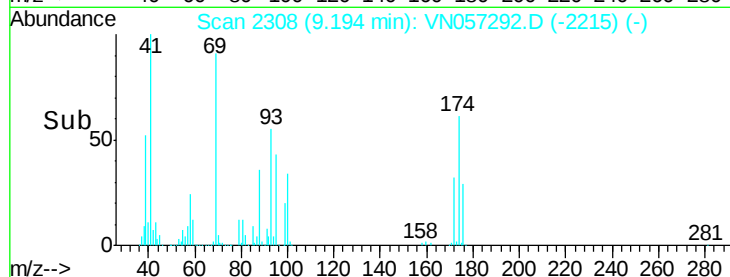
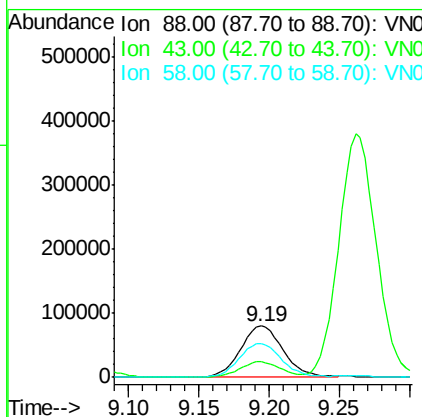
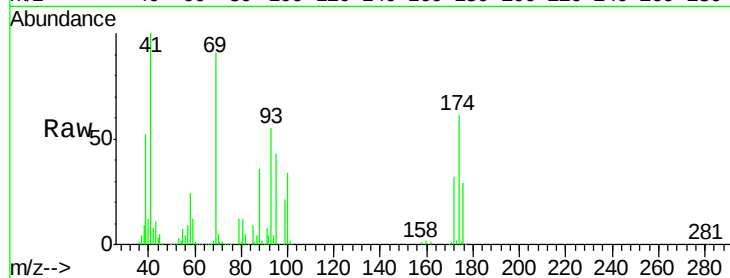
#49
1,4-Dioxane
Concen: 1028.705 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	22.9	34.3
58	65.9	52.7	79.1

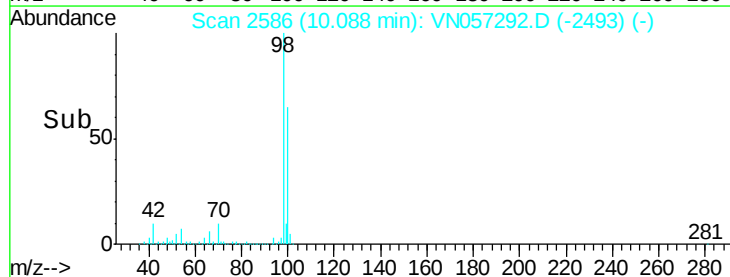
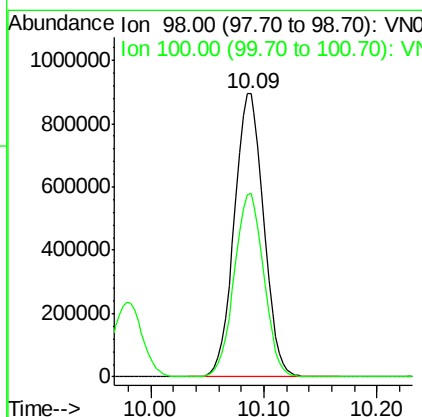
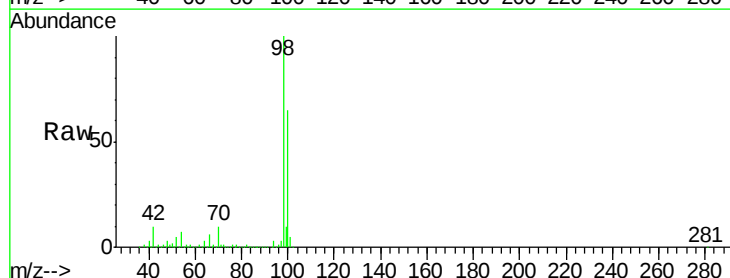
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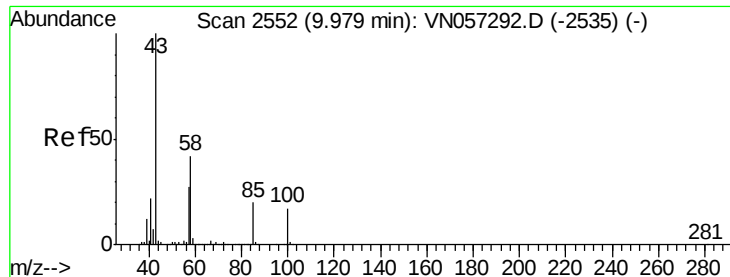
MMDadoda
8/19/2019 1:53:16 AM



#50
Toluene-d8
Concen: 51.879 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 269.602 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2511806

Ion Ratio Lower Upper

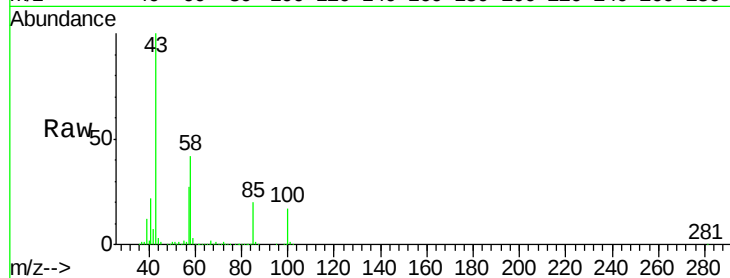
43 100

58 41.5 33.2 49.8

Manual Integrations
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MMdadoda

8/19/2019 1:53:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN057292.D (-2535) (-)

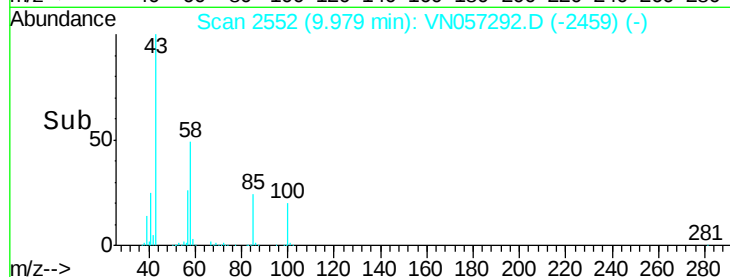
1500000

1000000

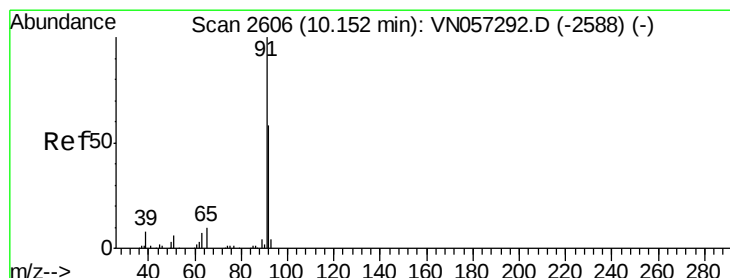
500000

0

9.90 9.98 10.00 10.10



Time-->



#52

Toluene

Concen: 50.324 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057292.D

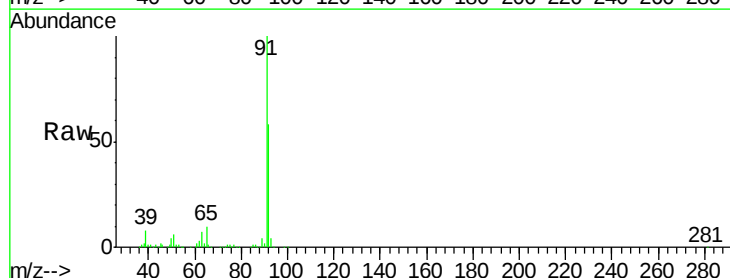
Acq: 14 Aug 2019 17:27

Tgt Ion: 92 Resp: 1122028

Ion Ratio Lower Upper

92 100

91 173.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN057292.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN057292.D (-2588) (-)

1200000

1000000

800000

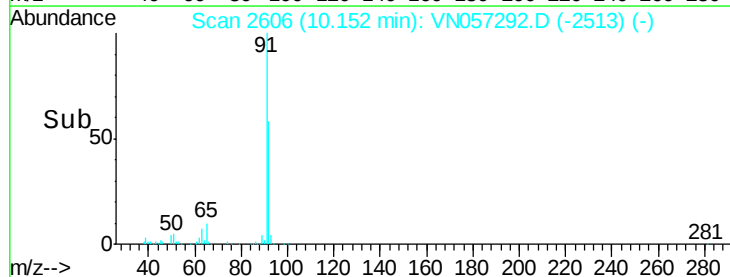
600000

400000

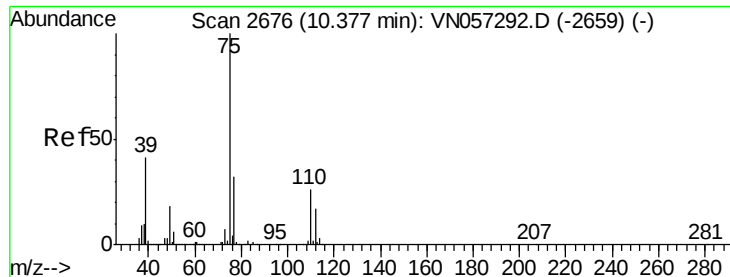
200000

0

10.10 10.15 10.20



Time-->



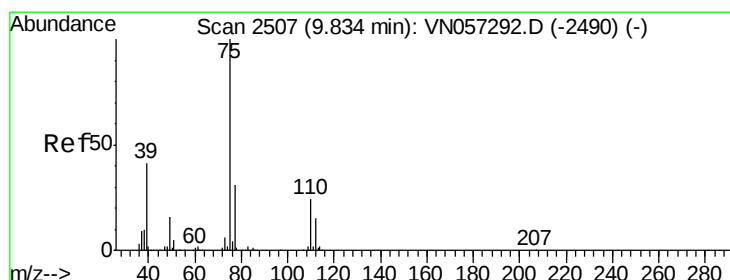
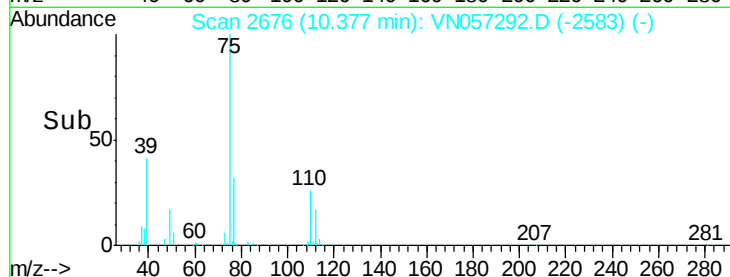
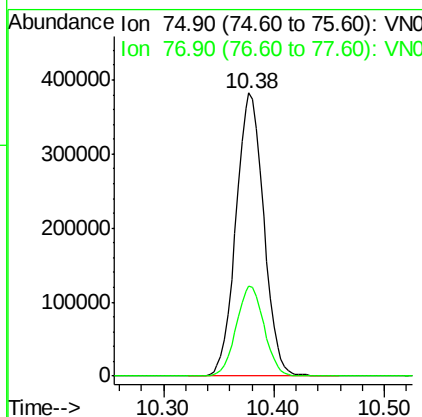
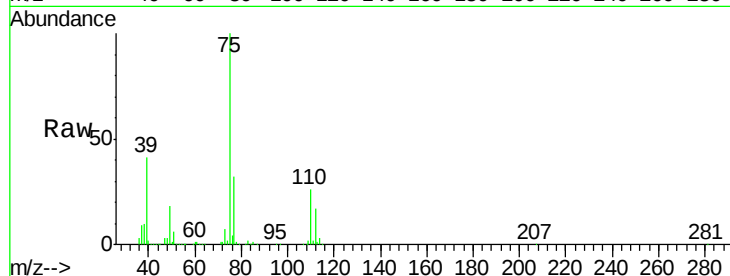
#53
t-1,3-Dichloropropene
Concen: 52.596 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

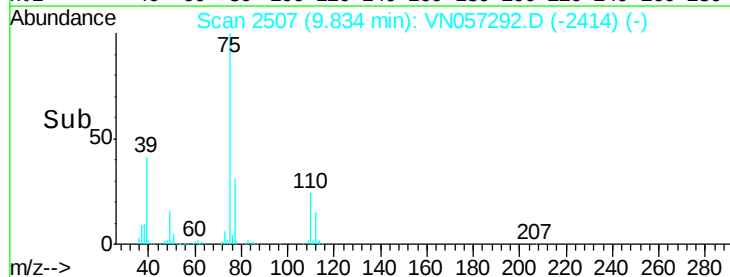
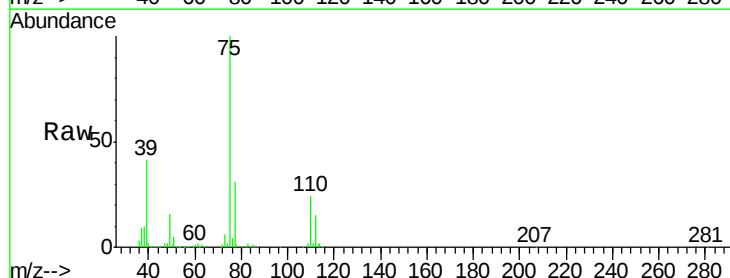
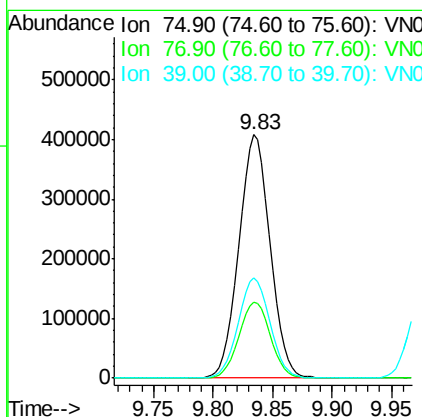
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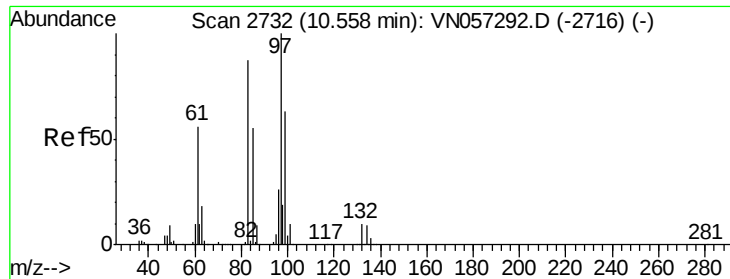
MMdadoda
8/19/2019 1:53:16 AM



#54
cis-1,3-Dichloropropene
Concen: 51.873 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3
39	40.9	32.7	49.1





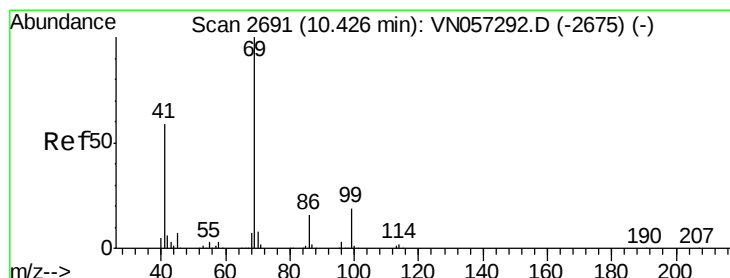
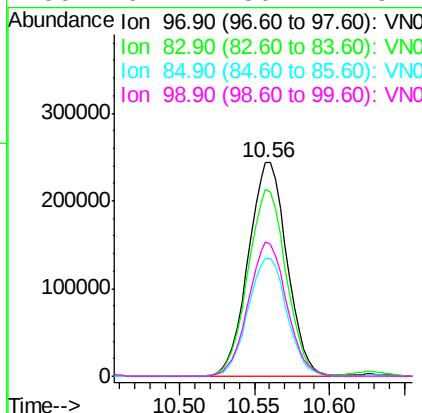
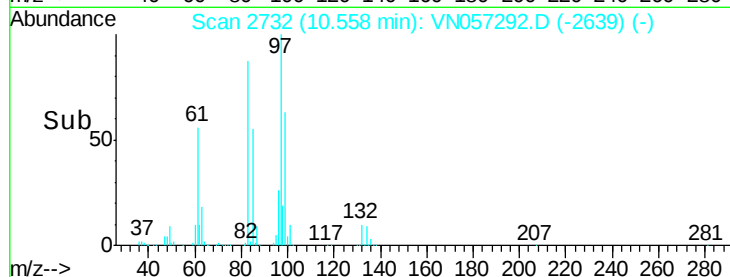
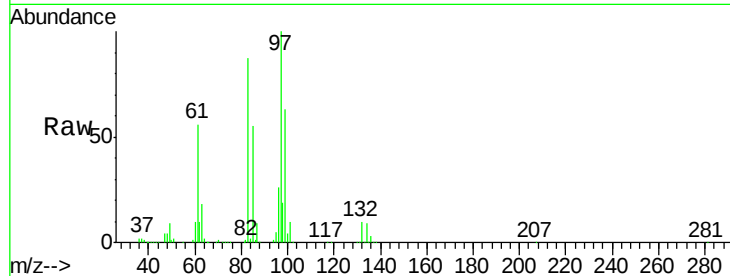
#55
 1,1,2-Trichloroethane
 Concen: 50.135 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		438733		
83	87.3	69.8	104.8		
85	55.1	44.1	66.1		
99	62.7	50.2	75.2		

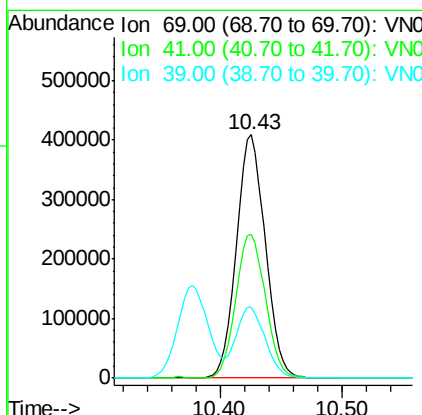
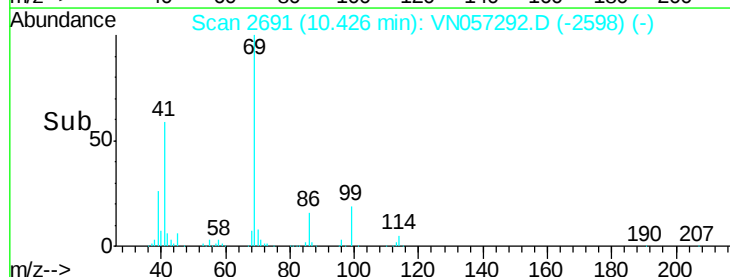
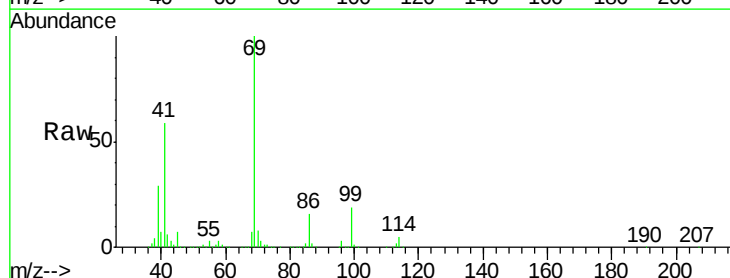
Manual Integrations
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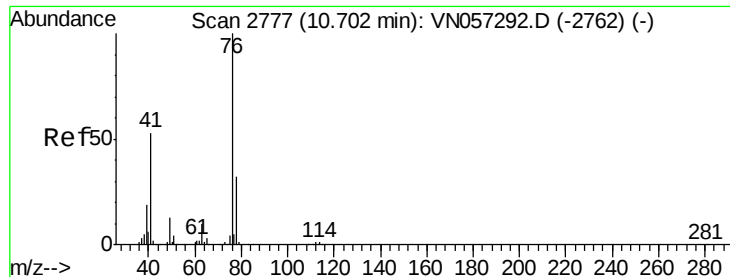
MMDadoda
 8/19/2019 1:53:16 AM



#56
 Ethyl methacrylate
 Concen: 54.283 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		670504		
41	60.2	48.2	72.2		
39	29.2	23.4	35.0		





#57

1,3-Dichloropropane

Concen: 50.680 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 732284

Ion Ratio Lower Upper

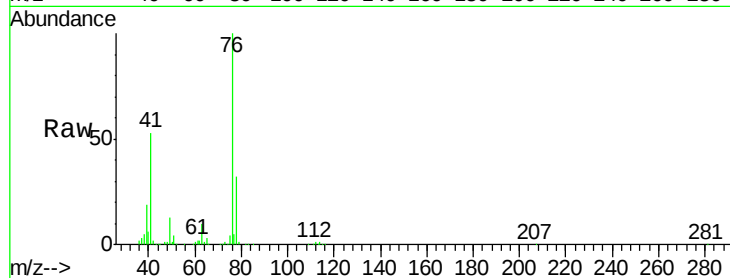
76 100

78 32.0 25.6 38.4

Manual Integrations
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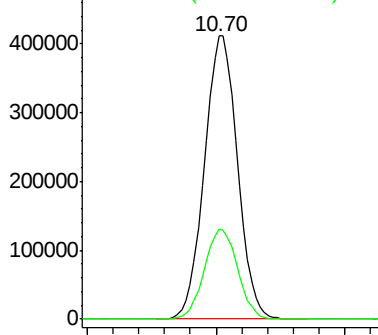
MMdadoda

8/19/2019 1:53:16 AM

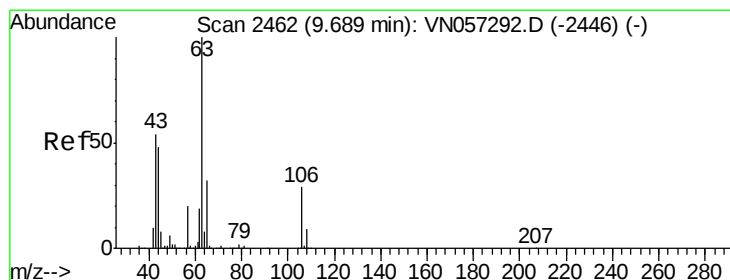
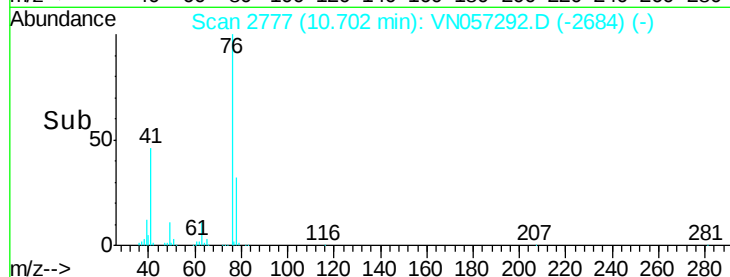


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 282.147 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057292.D

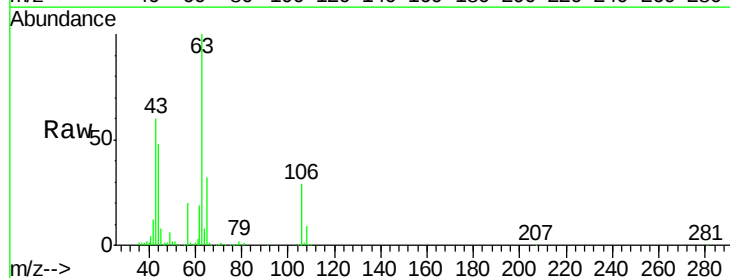
Acq: 14 Aug 2019 17:27

Tgt Ion: 63 Resp: 876447

Ion Ratio Lower Upper

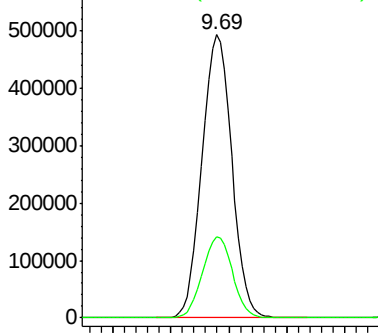
63 100

106 29.0 23.2 34.8

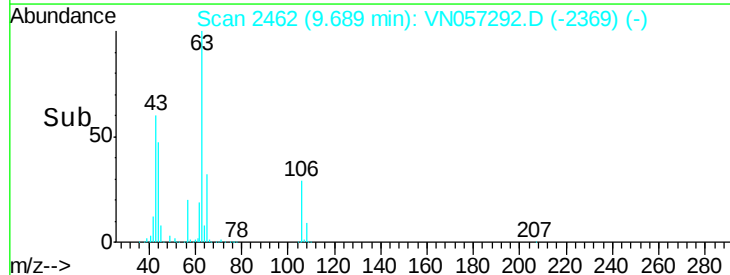


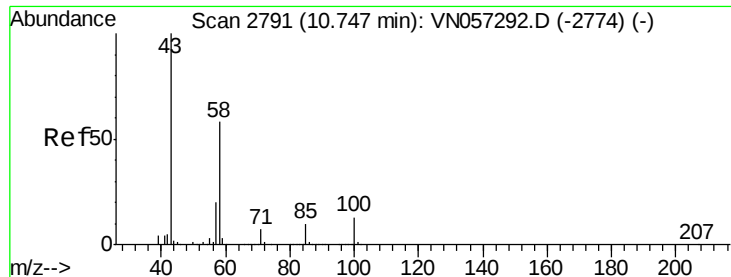
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.60 9.65 9.70 9.75 9.80





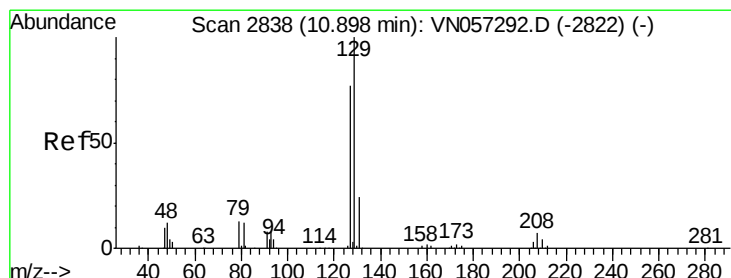
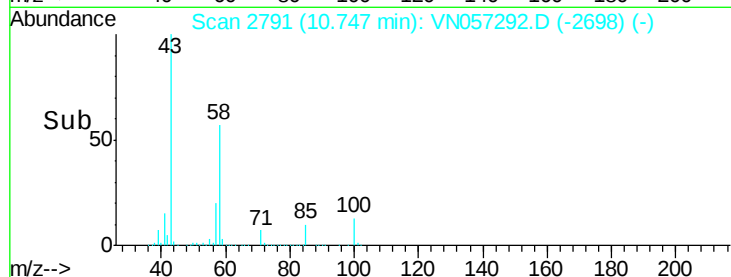
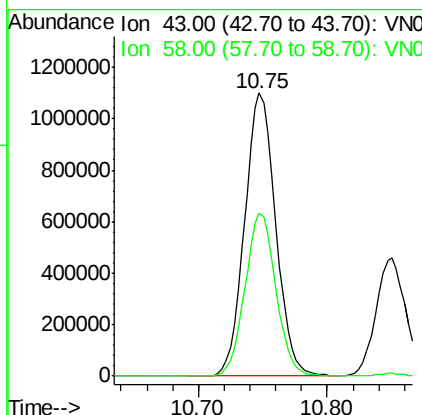
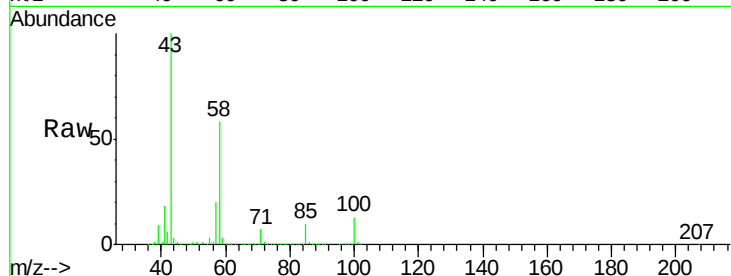
#59
2-Hexanone
Concen: 278.397 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1843386
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.9

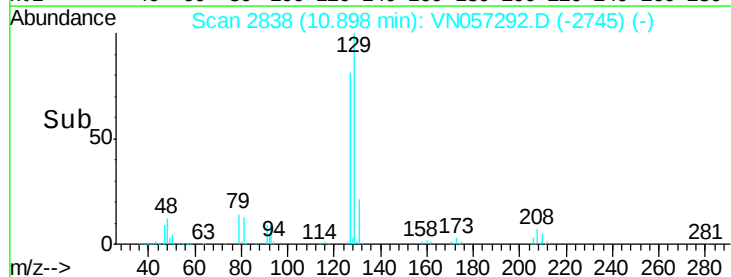
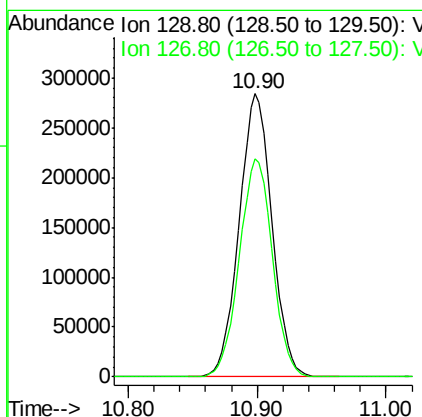
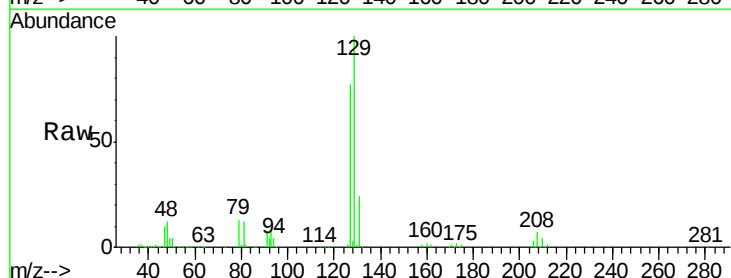
Manual Integrations
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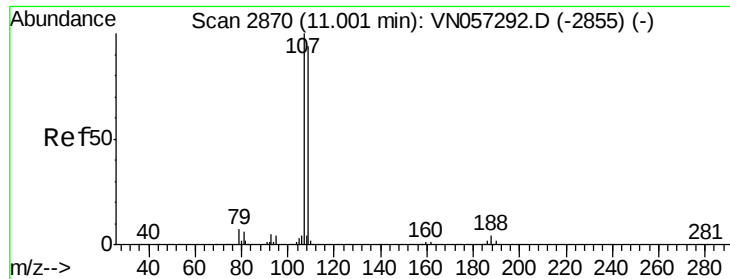
MMdadoda
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#60
Dibromochloromethane
Concen: 51.171 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 129 Resp: 502361
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





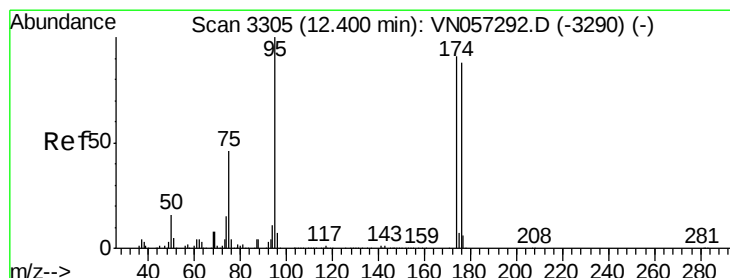
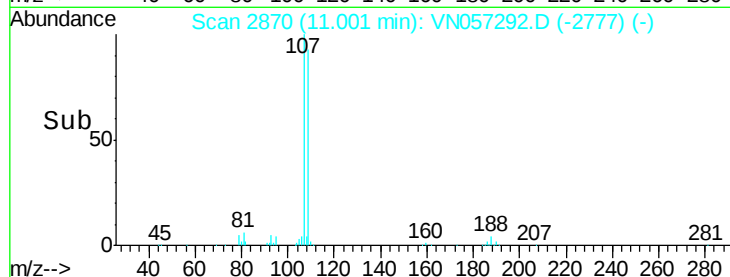
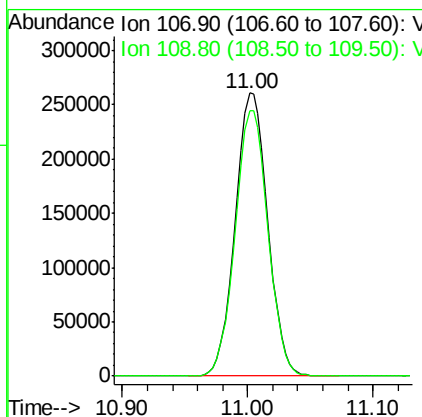
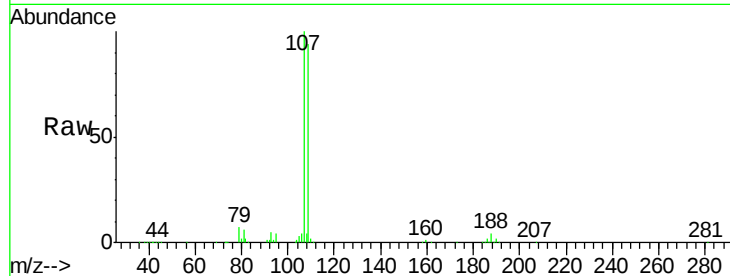
#61
 1,2-Dibromoethane
 Concen: 51.691 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.7	113.5

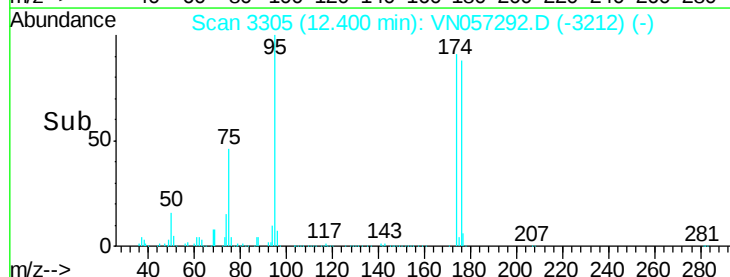
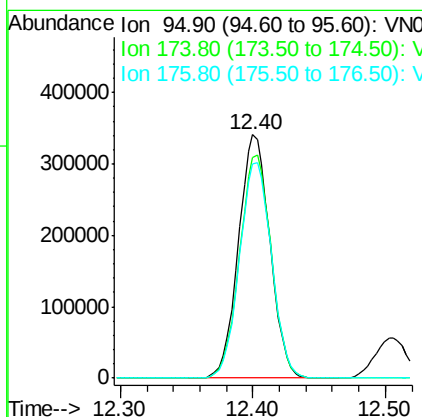
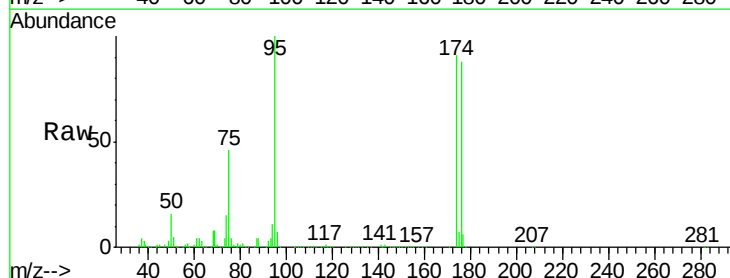
Manual Integrations
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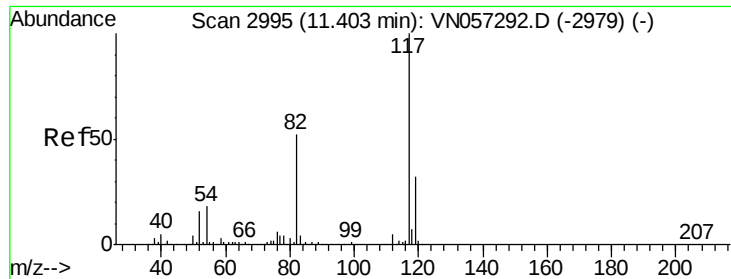
MMdadoda
 8/19/2019 1:53:16 AM



#62
 4-Bromofluorobenzene
 Concen: 51.921 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	185.0
176	90.5	0.0	181.0





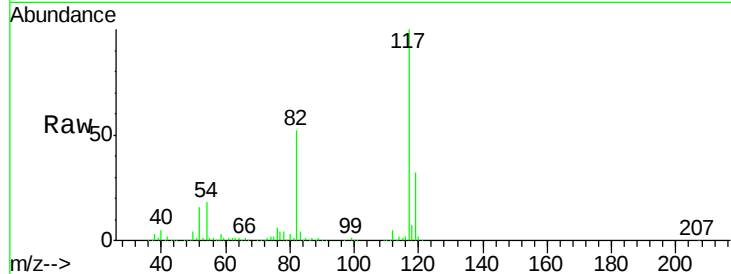
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.2	61.8
119	32.3	25.8	38.8

Manual Integrations
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MMDadoda
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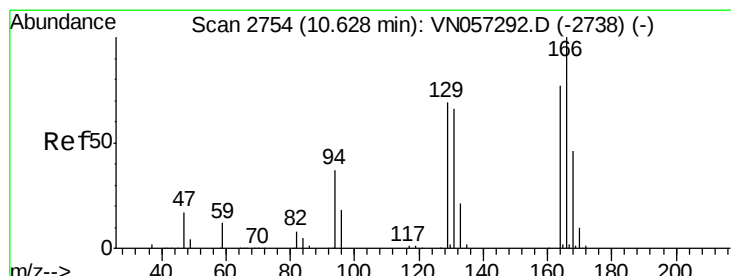
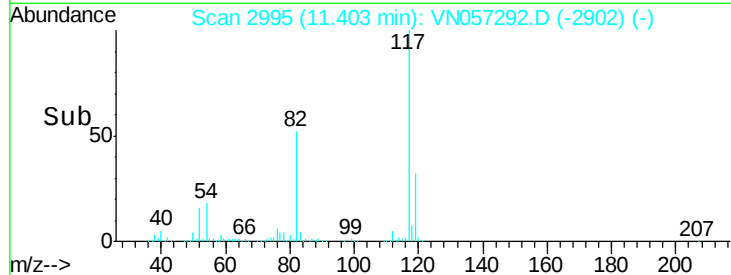
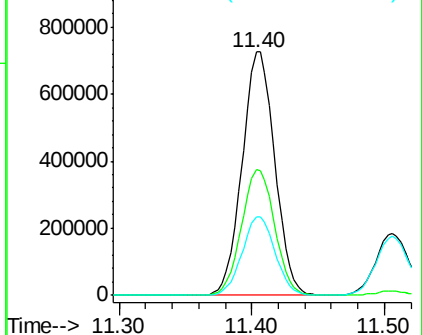


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 45.399 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.5	155.3
129	89.0	71.2	106.8
131	85.3	68.2	102.4

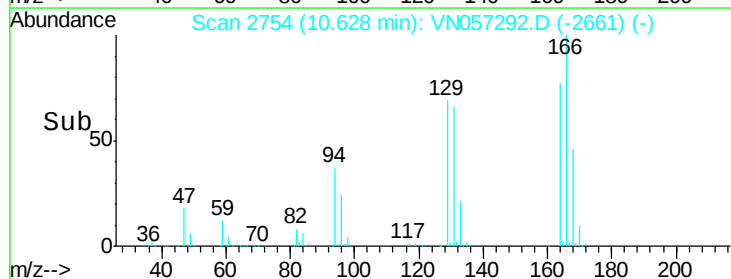
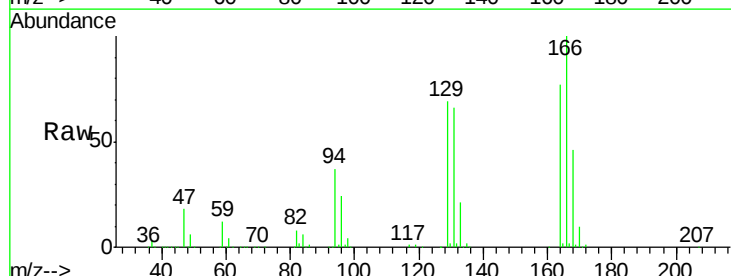
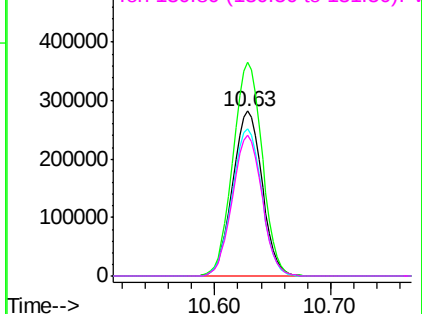
Abundance

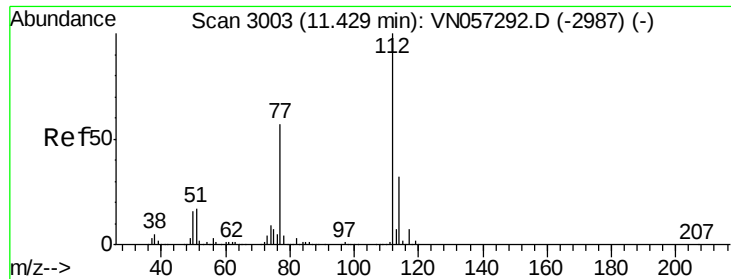
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





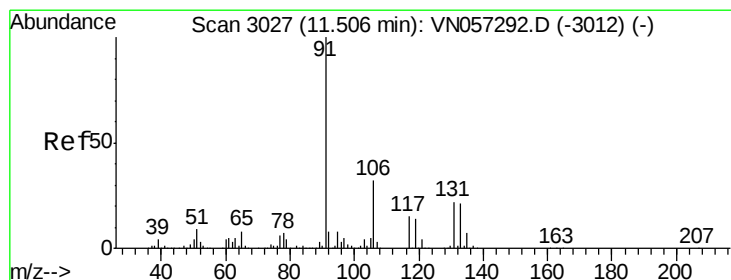
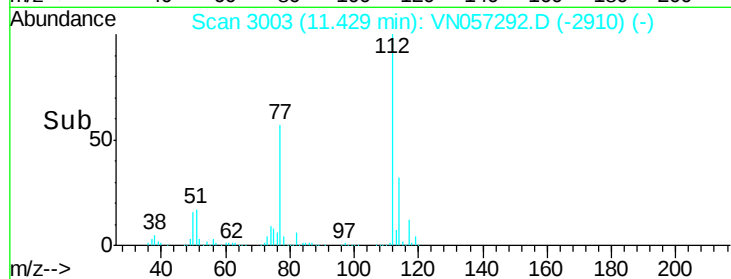
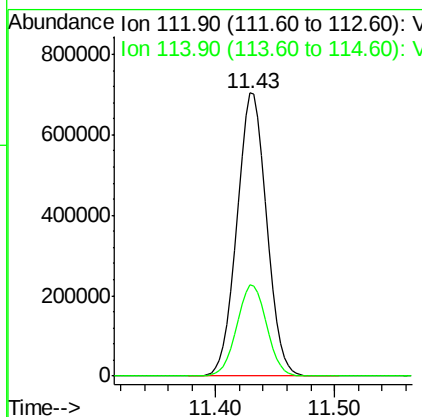
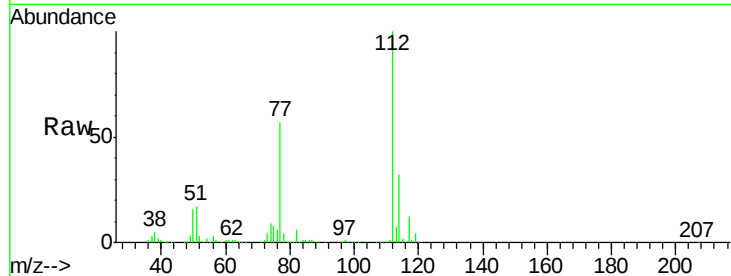
#65
Chlorobenzene
Concen: 48.191 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1217381
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

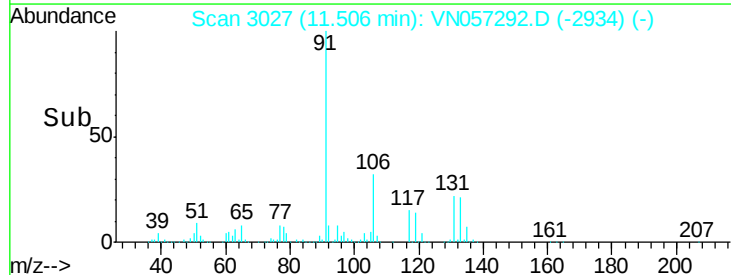
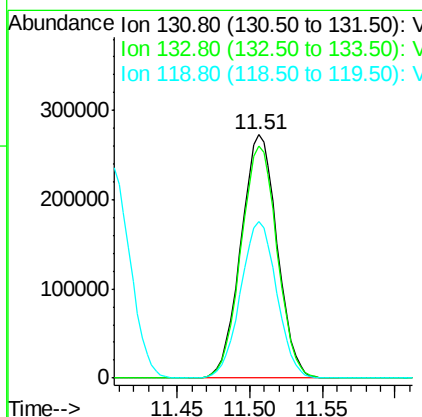
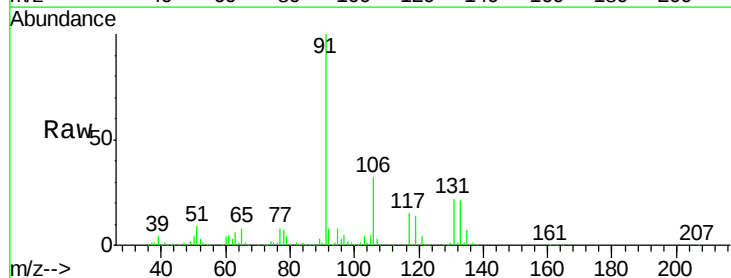
Manual Integrations
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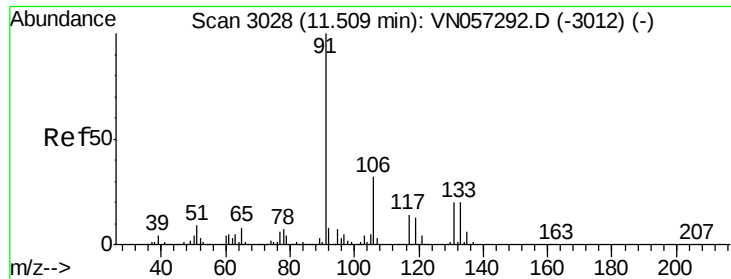
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.646 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion:131 Resp: 474729
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.8
119 64.1 32.0 96.2





#67

Ethyl Benzene

Concen: 49.693 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 2148725

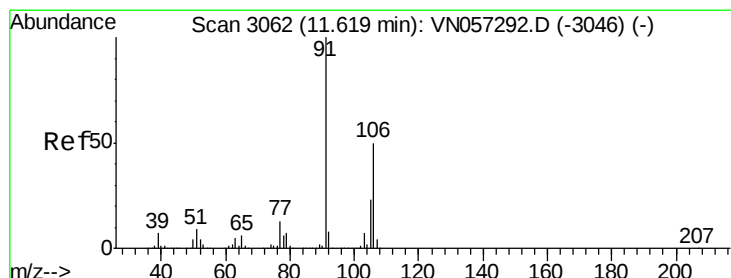
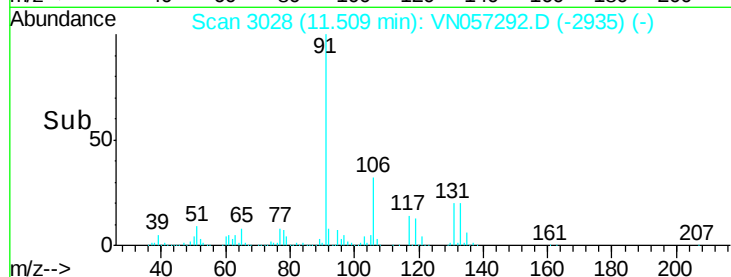
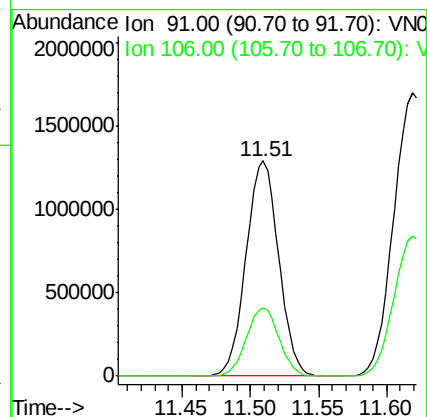
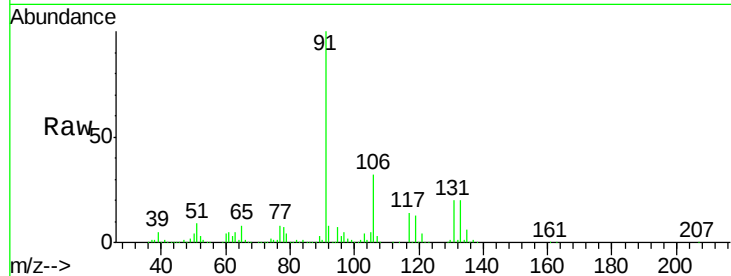
Ion Ratio Lower Upper

91 100

106 31.9 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 100.888 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057292.D

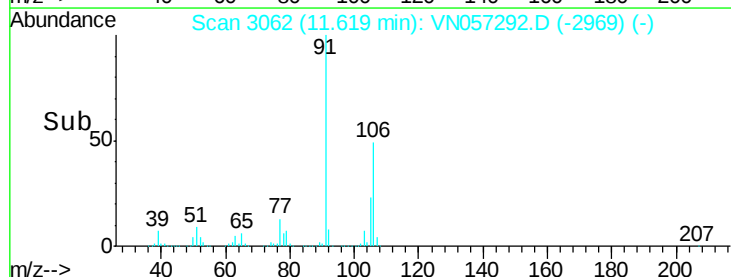
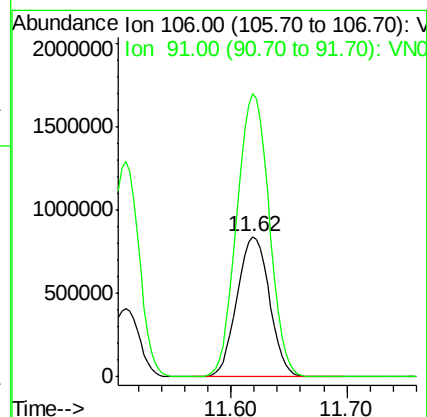
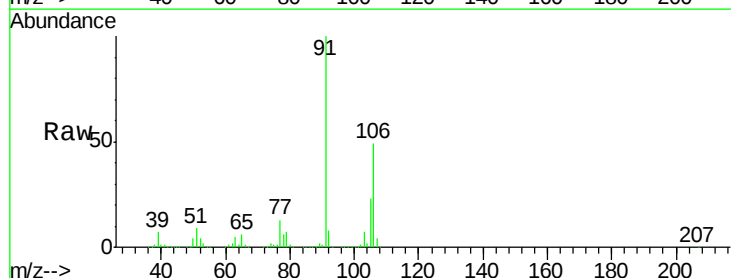
Acq: 14 Aug 2019 17:27

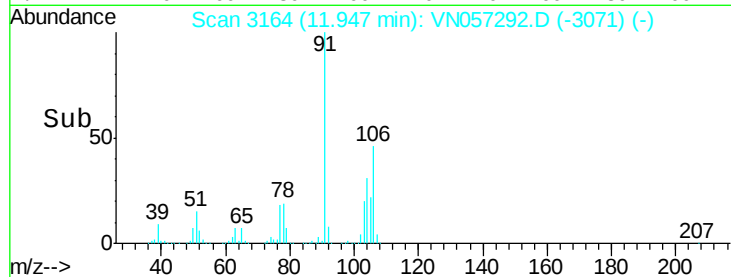
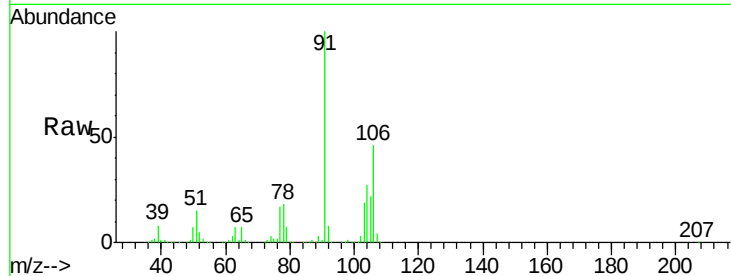
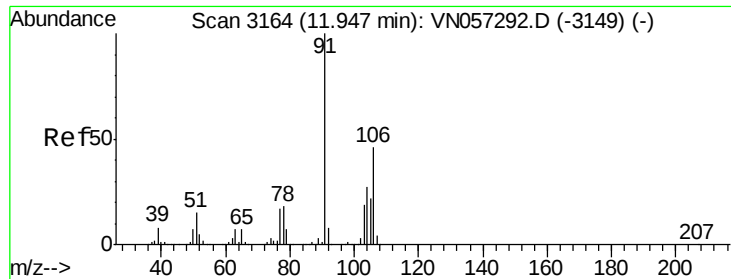
Tgt Ion: 106 Resp: 1629593

Ion Ratio Lower Upper

106 100

91 201.9 161.5 242.3





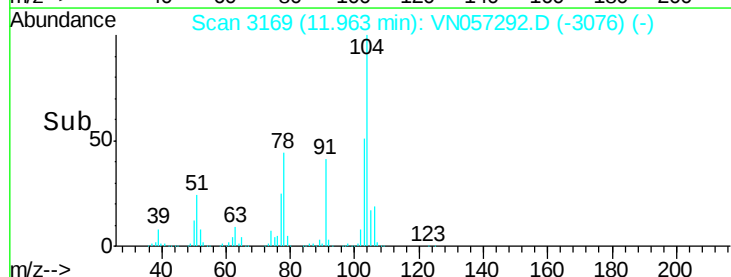
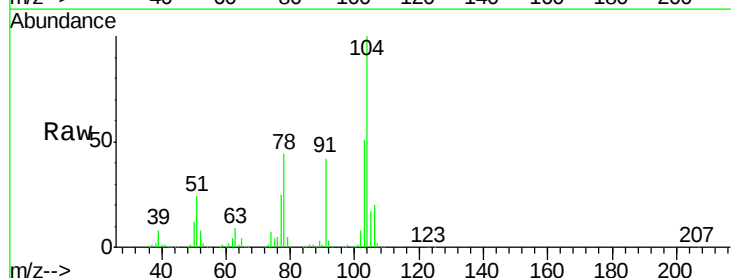
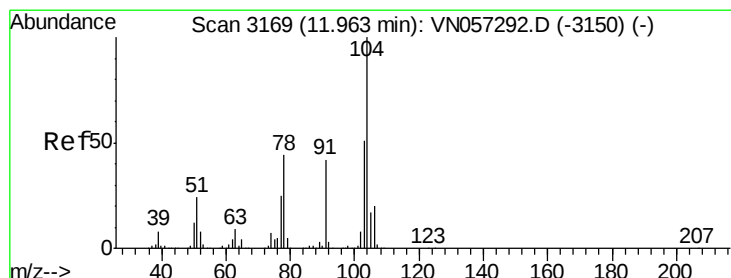
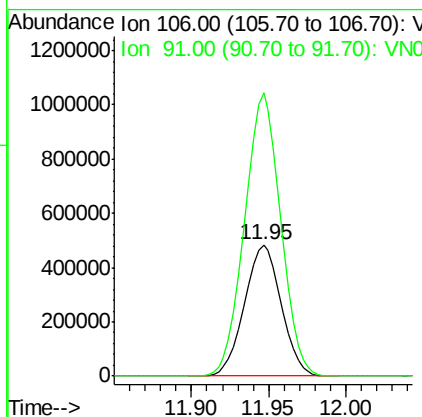
#69
o-Xylene
Concen: 50.371 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tot Ion:106 Resp: 797665
Ion Ratio Lower Upper
106 100
91 212.7 106.3 319.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

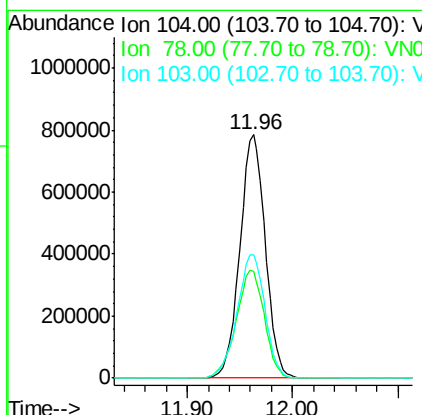
Manual Integrations
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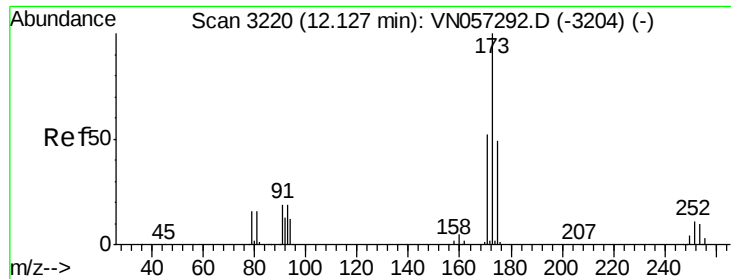
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#70
Styrene
Concen: 53.537 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion:104 Resp: 1310598
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 55.7 44.6 66.8





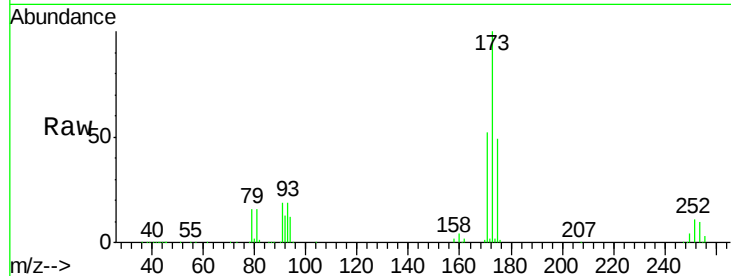
#71
Bromoform
Concen: 51.566 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.2	0.2	0.2

Manual Integrations
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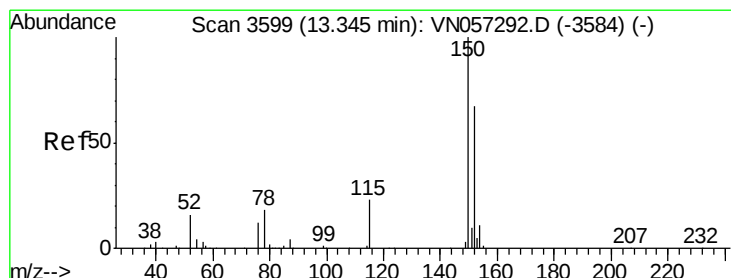
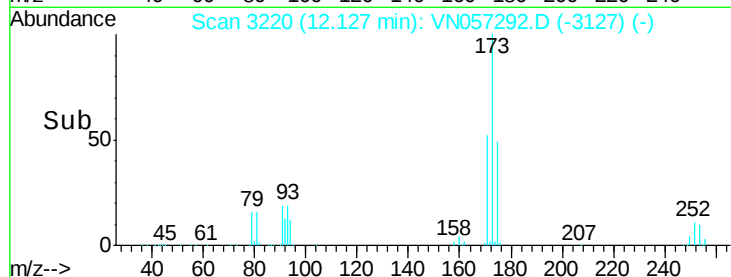
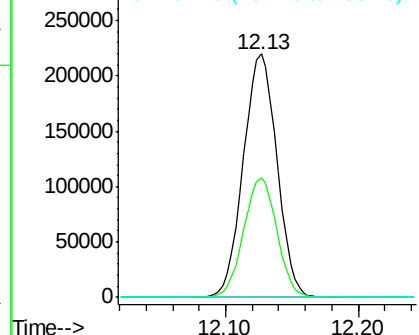


Abundance

Ion 172.70 (172.40 to 173.40): V

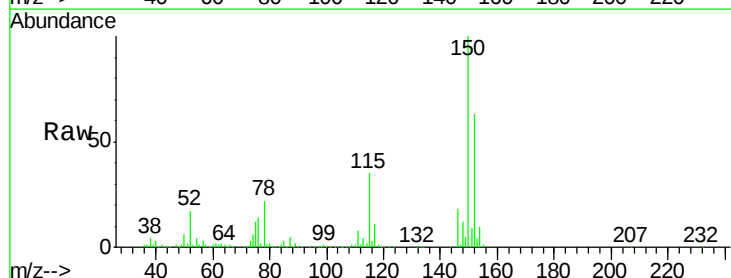
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.3	81.9
150	172.2	0.0	344.4

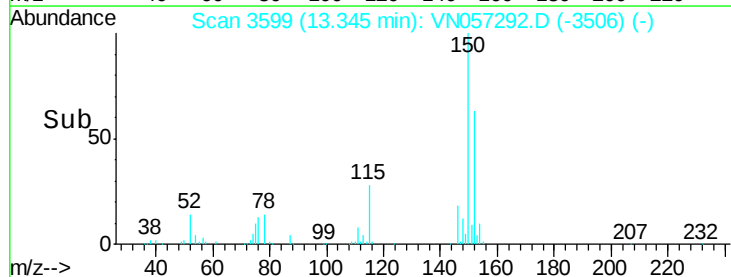
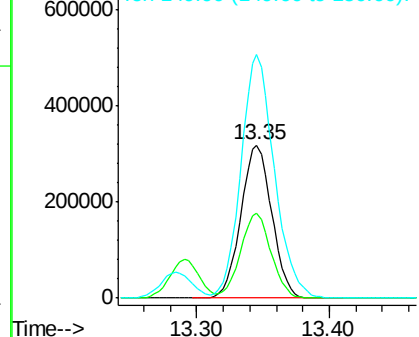


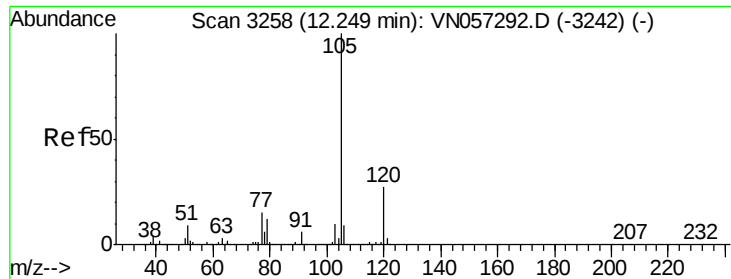
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.056 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 2148506

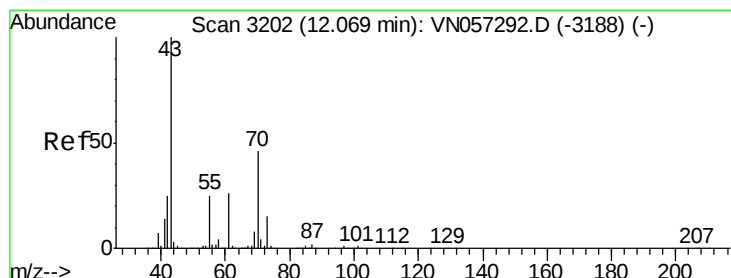
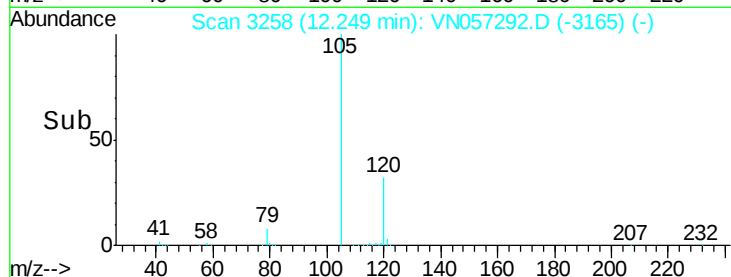
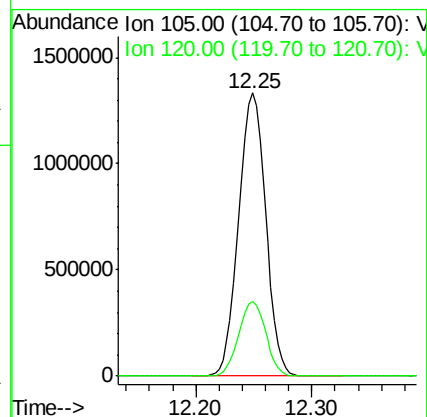
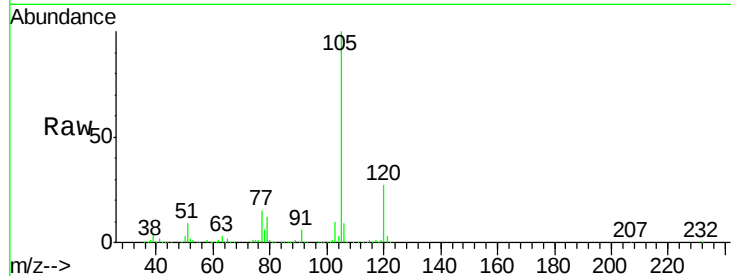
Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6

Manual Integrations
APPROVED

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8/19/2019 1:53:16 AM



#74

N-ethyl acetate

Concen: 49.149 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Tgt Ion: 43 Resp: 683885

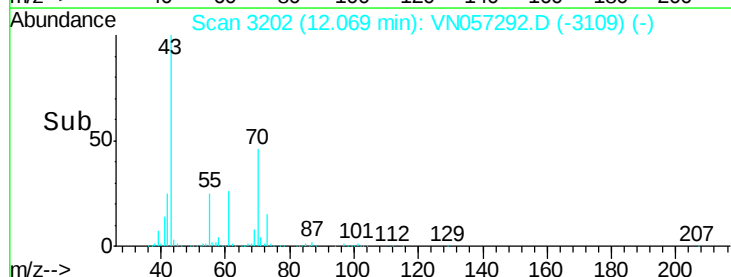
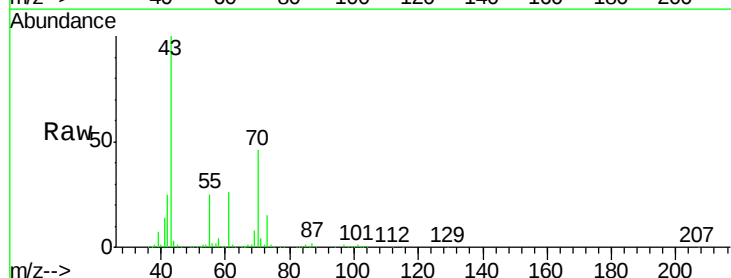
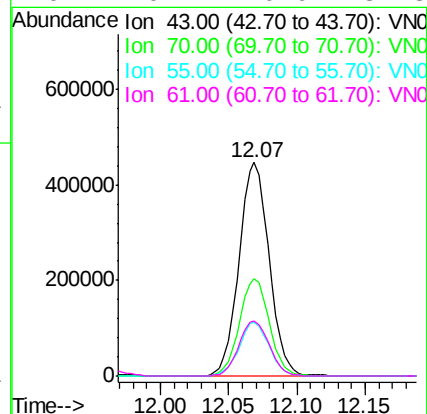
Ion Ratio Lower Upper

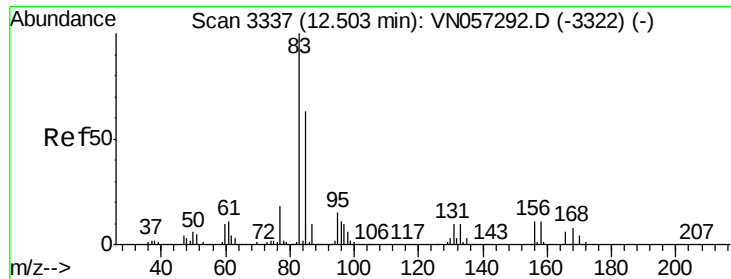
43 100

70 45.2 36.2 54.2

55 25.1 20.1 30.1

61 26.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 44.462 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

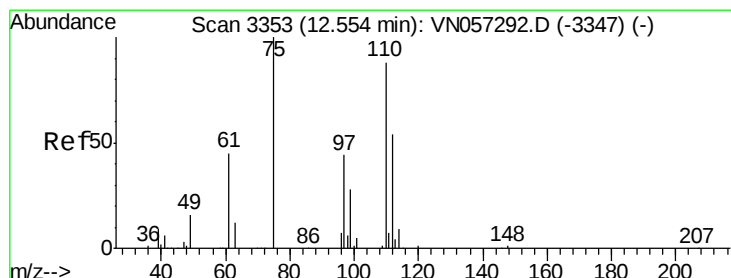
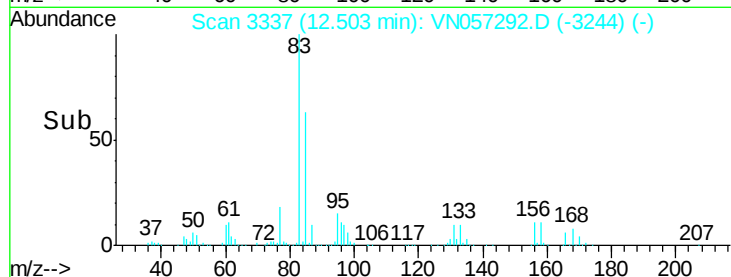
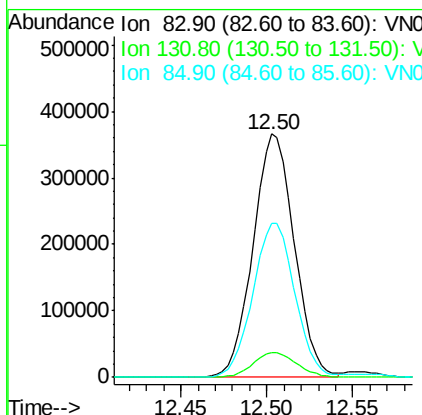
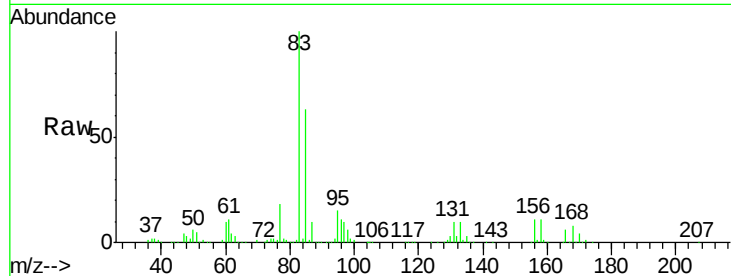
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	608589
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.909 ug/l m

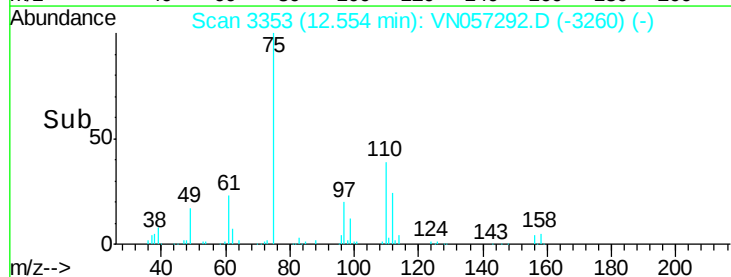
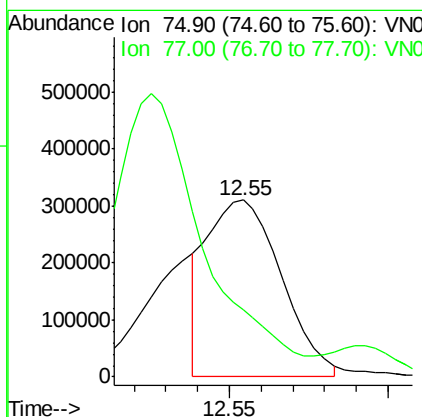
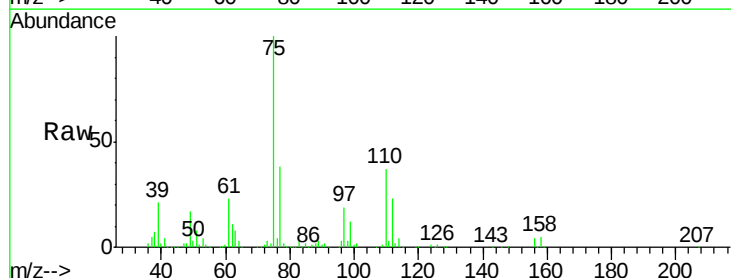
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Tgt Ion:	75	Resp:	510210
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.364 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

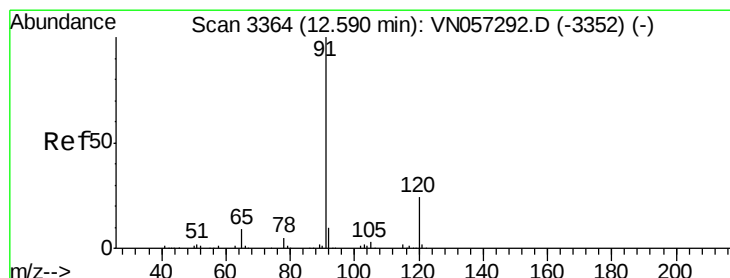
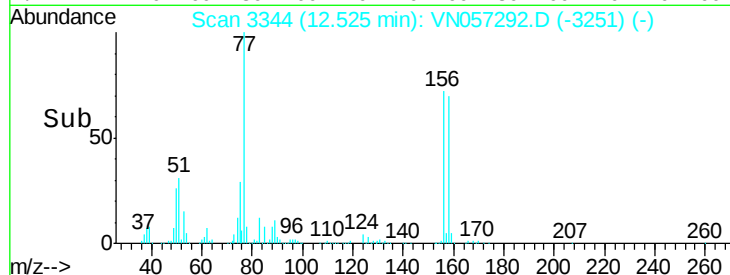
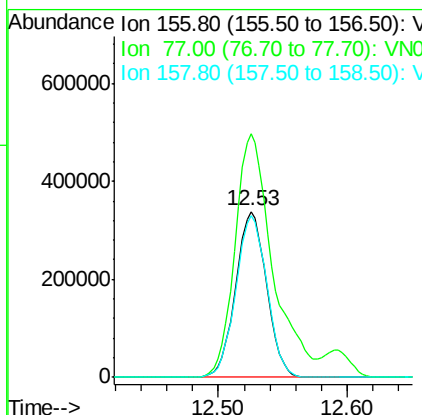
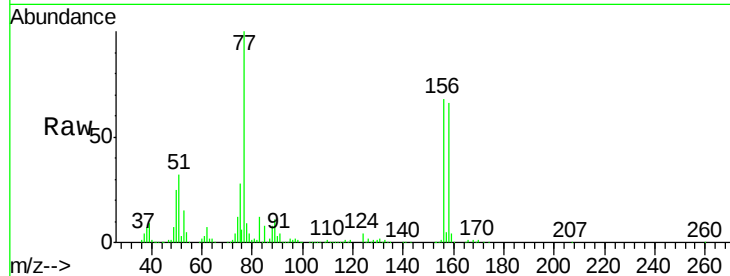
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	562874
Ion Ratio	Lower	Upper	
156	100		
77	179.7	89.8	269.6
158	98.5	49.3	147.8

Manual Integrations
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MMDadoda
8/19/2019 1:53:16 AM



#78

n-propylbenzene

Concen: 47.228 ug/l

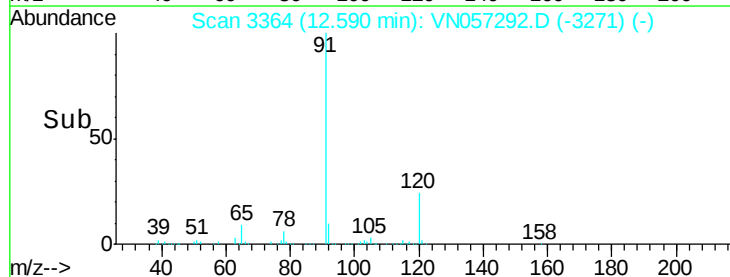
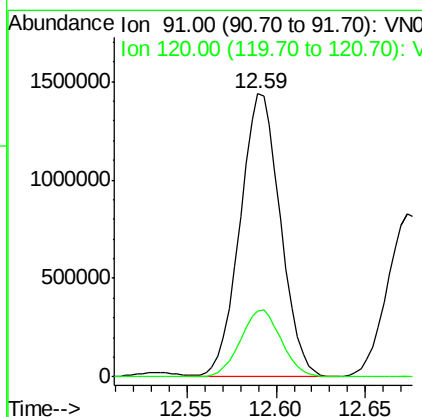
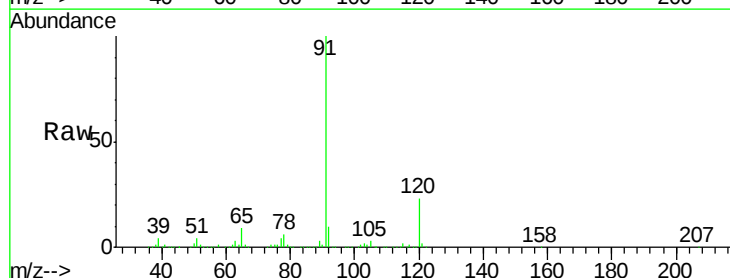
RT: 12.59 min Scan# 3364

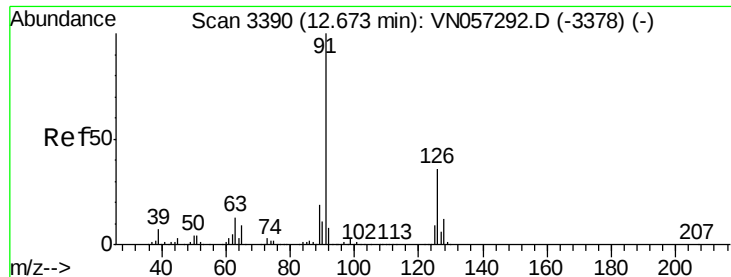
Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Tgt Ion:	91	Resp:	2267619
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.7





#79

2-Chlorotoluene

Concen: 45.191 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1386938

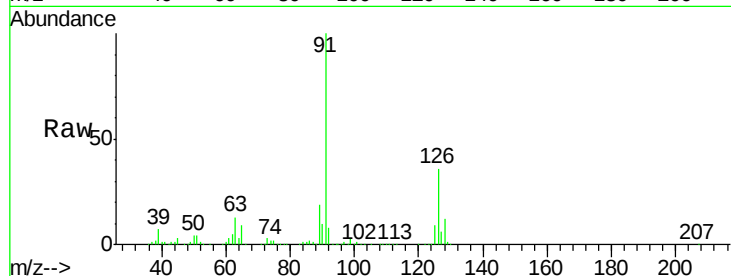
Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)

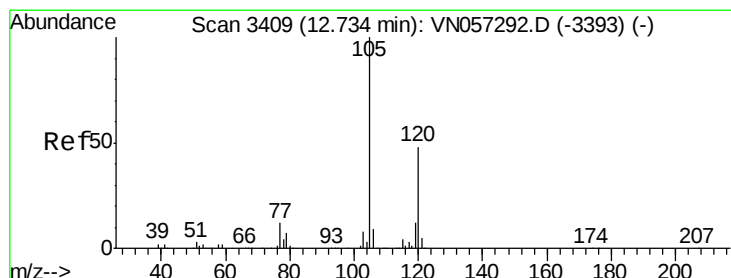
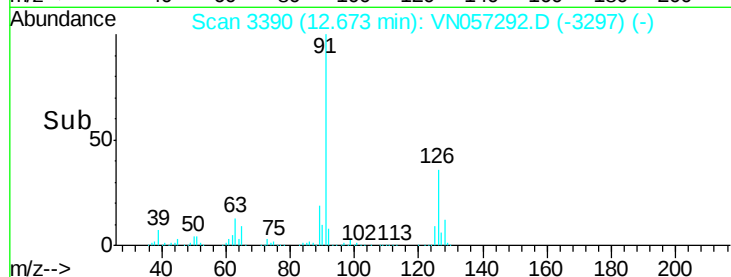
1500000

1000000

500000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 45.862 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057292.D

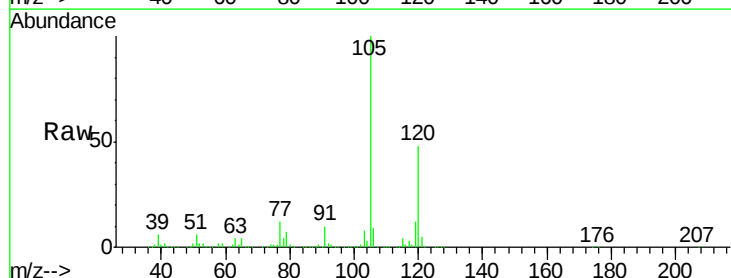
Acq: 14 Aug 2019 17:27

Tgt Ion: 105 Resp: 1773377

Ion Ratio Lower Upper

105 100

120 48.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057292.D (-3393) (-)

1200000

1000000

800000

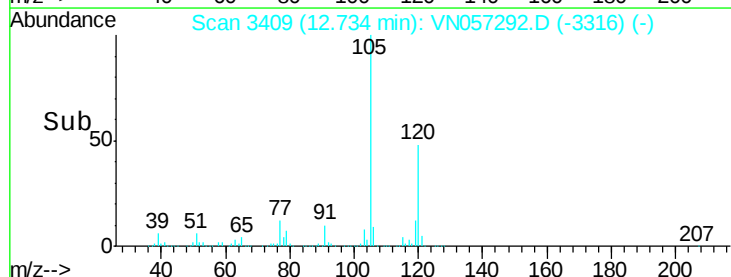
600000

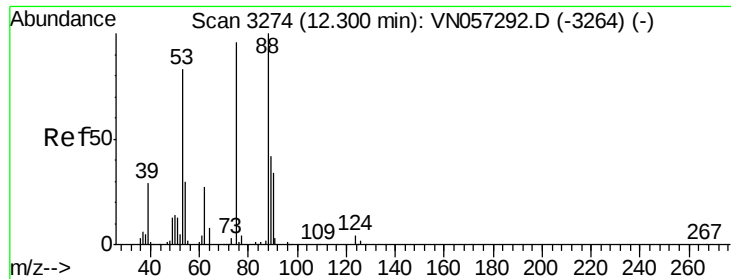
400000

200000

0

Time--> 12.70 12.80





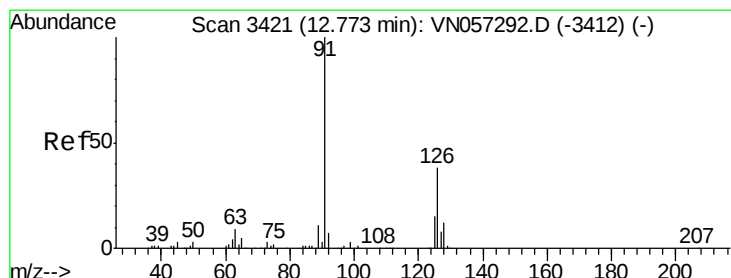
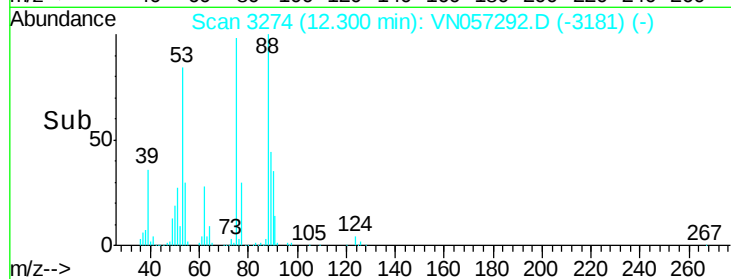
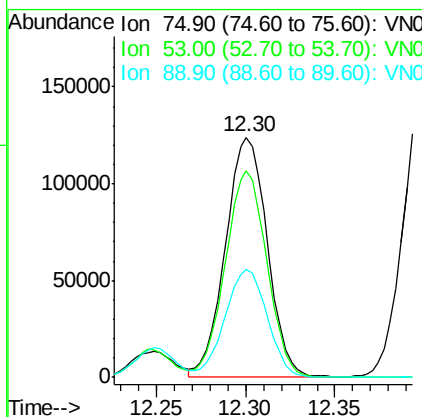
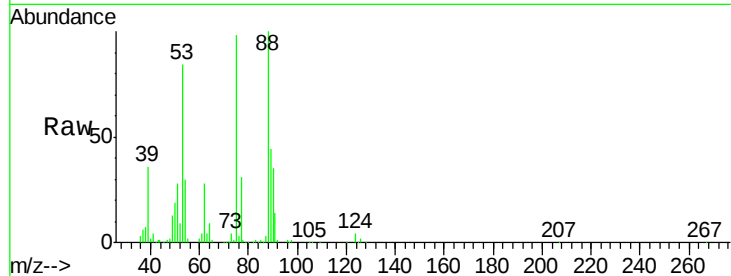
#81
trans-1,4-Dichloro-2-butene
Concen: 52.325 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.9	67.9	101.9
89	45.3	36.2	54.4

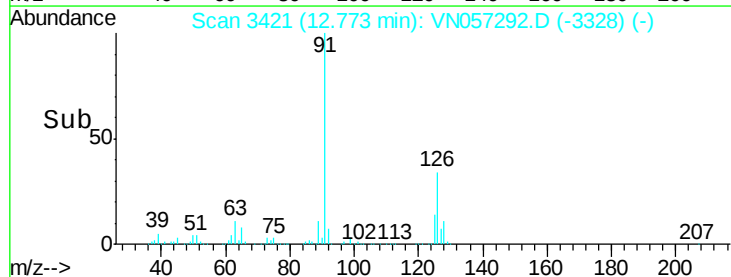
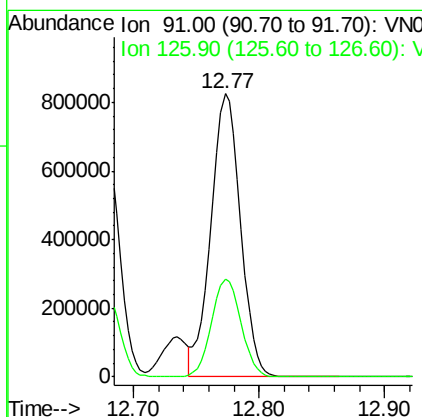
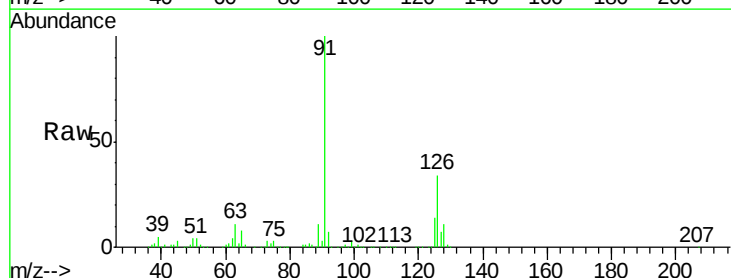
Manual Integrations
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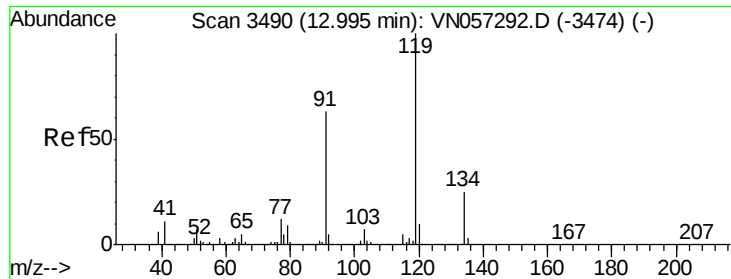
MMDadoda
8/19/2019 1:53:16 AM



#82
4-Chlorotoluene
Concen: 47.929 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	51.7





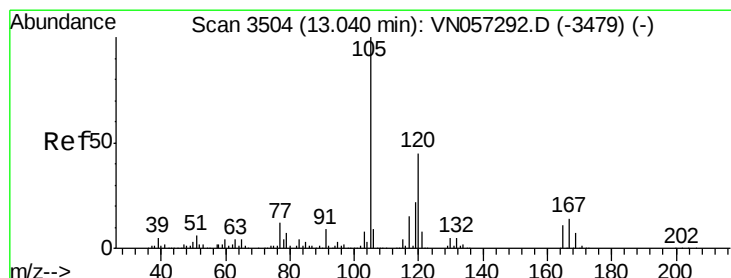
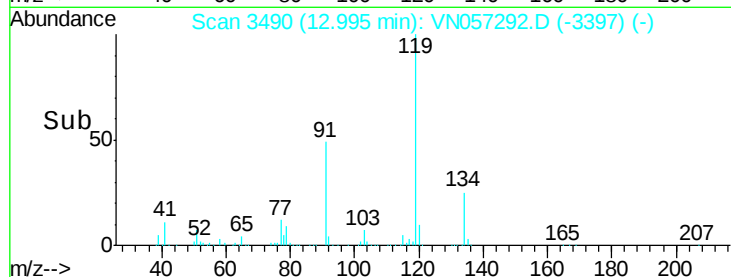
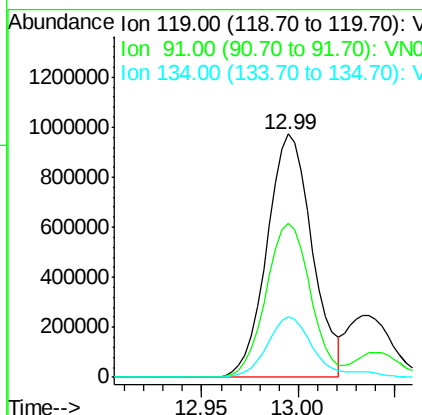
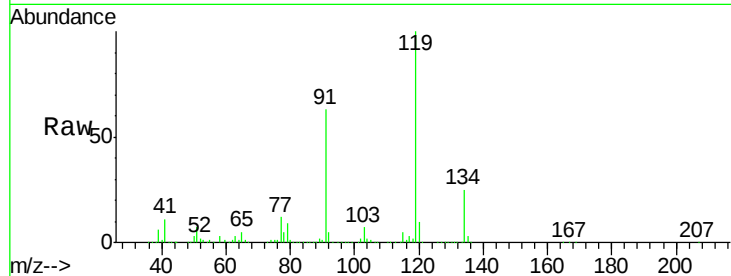
#83
 tert-Butylbenzene
 Concen: 43.700 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.3	93.8
134	26.1	13.1	39.1

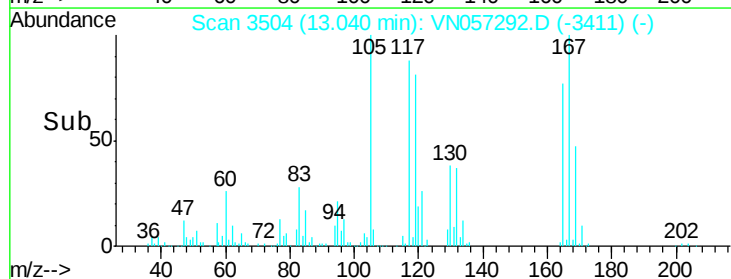
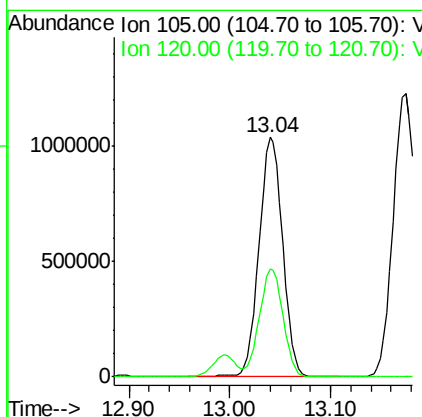
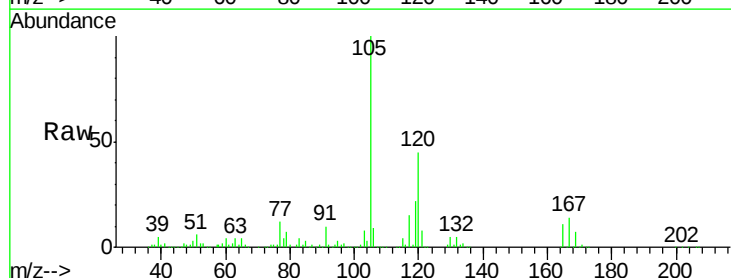
Manual Integrations
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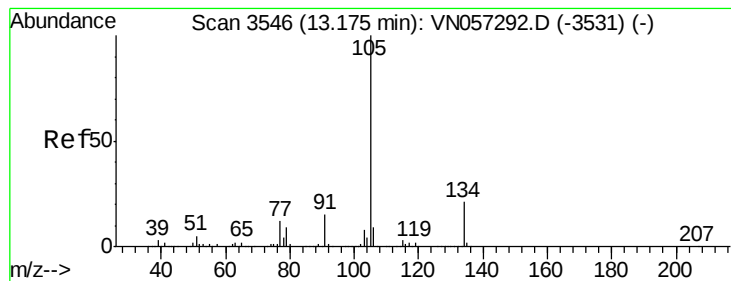
MMDadoda
 8/19/2019 1:53:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.542 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 45.354 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1960895

Ion Ratio Lower Upper

105 100

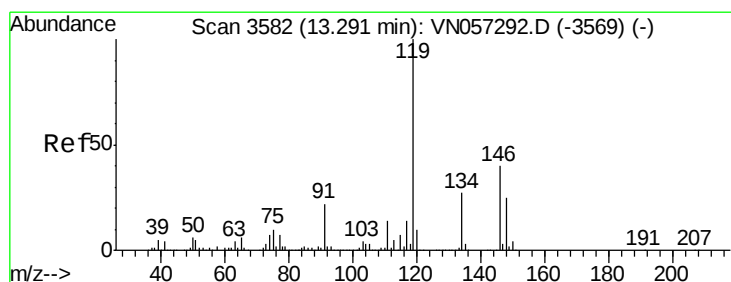
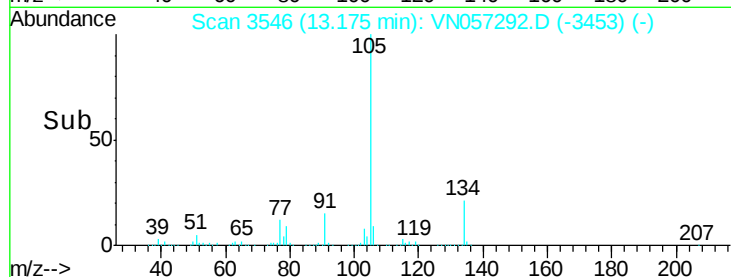
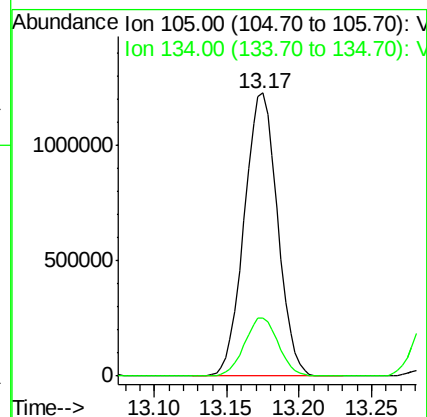
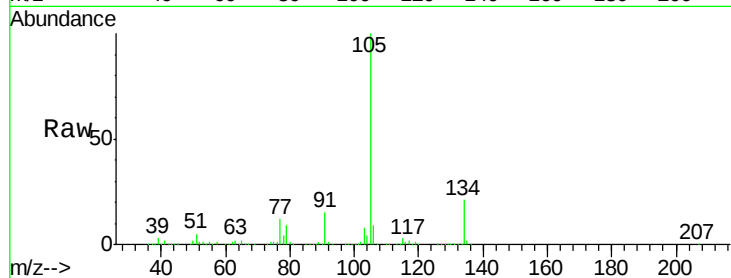
134 20.8 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 45.795 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

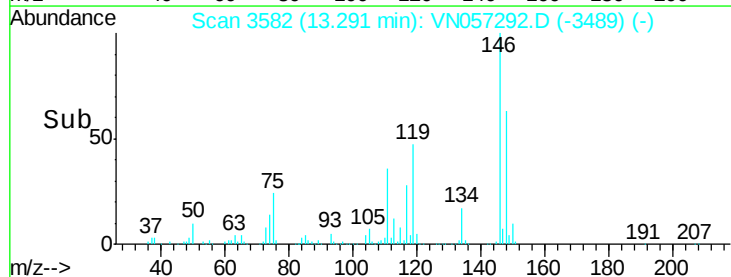
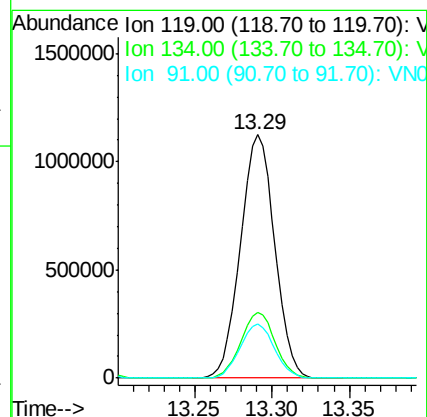
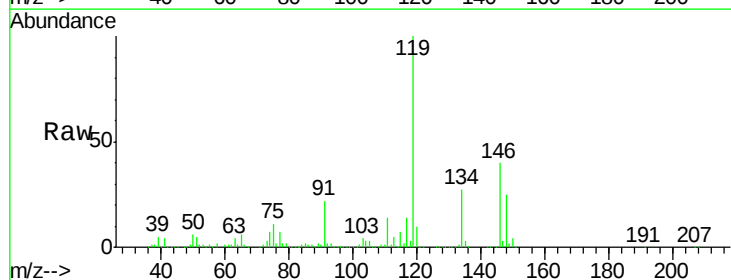
Tgt Ion:119 Resp: 1726175

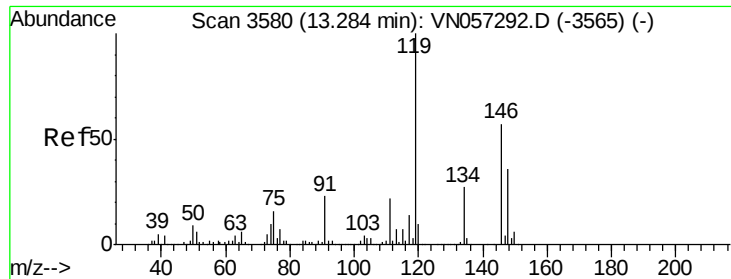
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.3 11.2 33.5





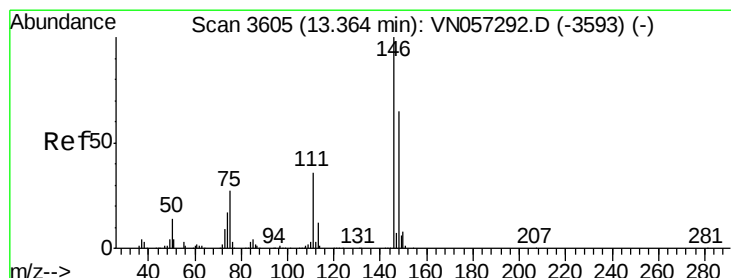
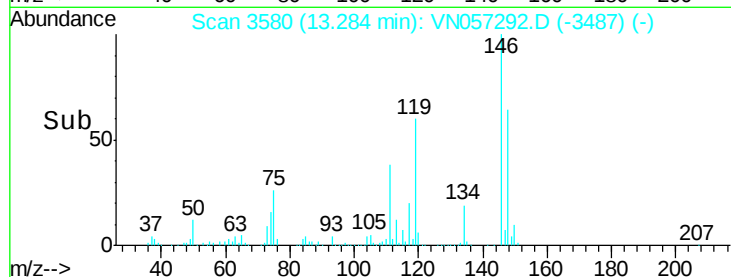
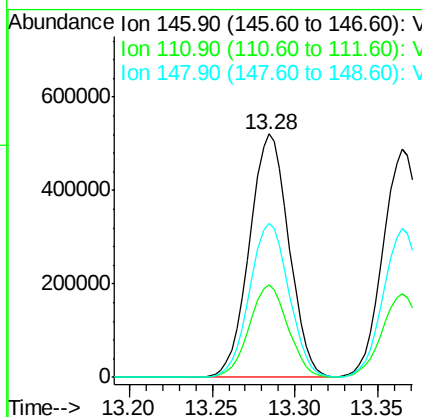
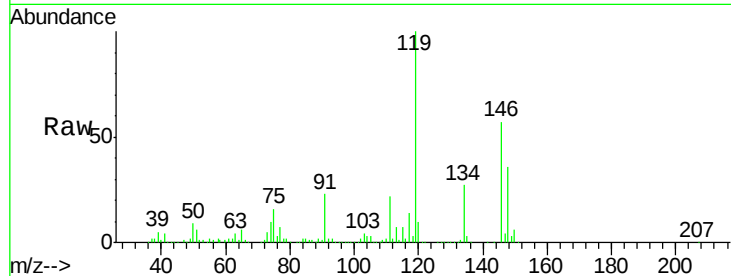
#87
 1,3-Dichlorobenzene
 Concen: 48.474 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	63.4	31.7	95.1

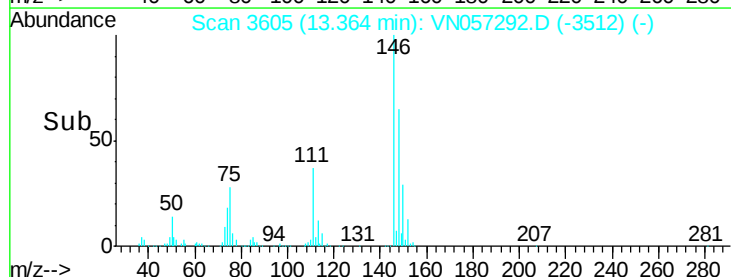
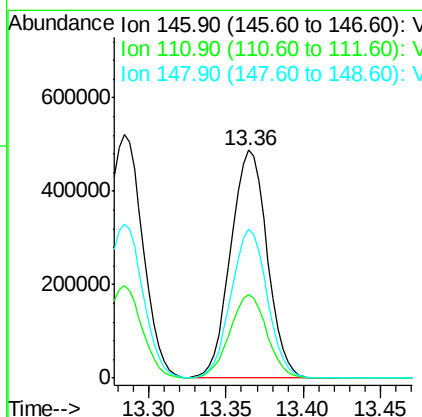
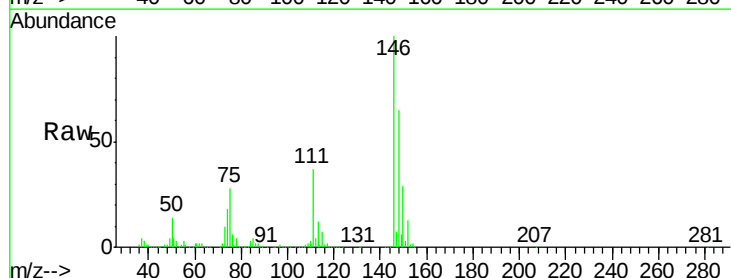
Manual Integrations
 APPROVED

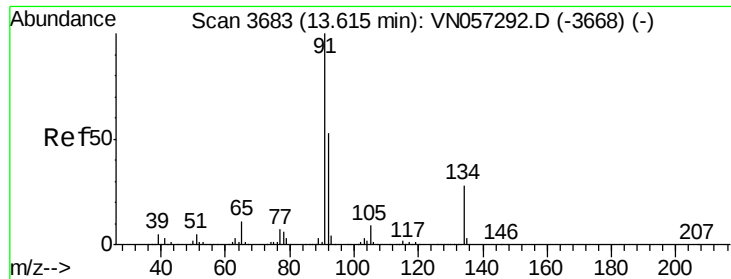
MMDadoda
 8/19/2019 1:53:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.306 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.4
148	64.9	32.5	97.4





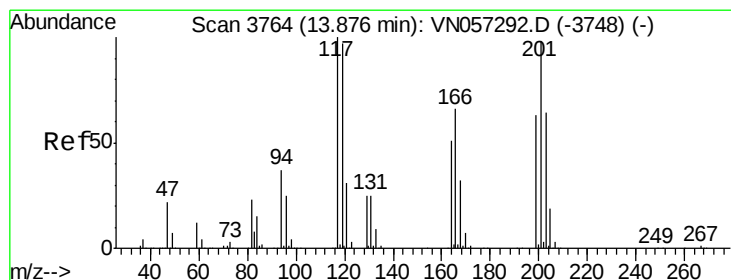
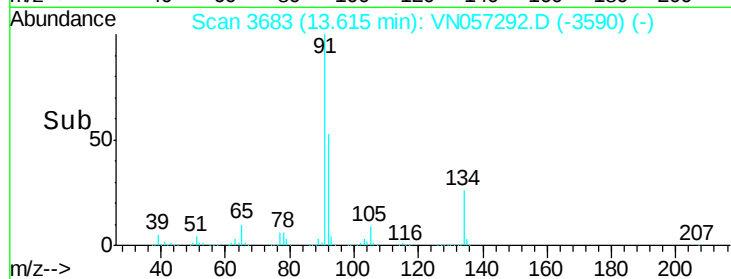
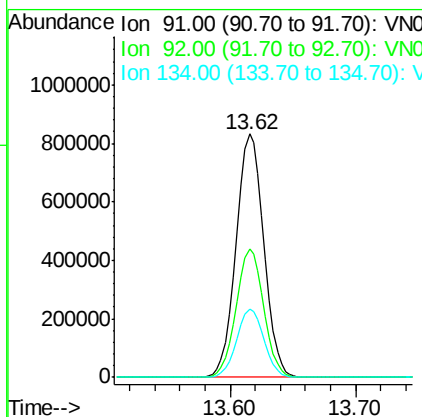
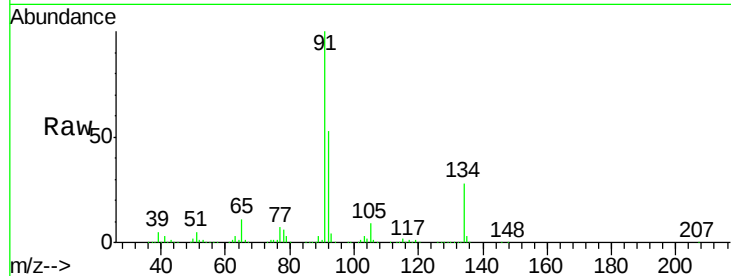
#89
n-Butylbenzene
Concen: 48.117 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.6
134	27.8	13.9	41.7

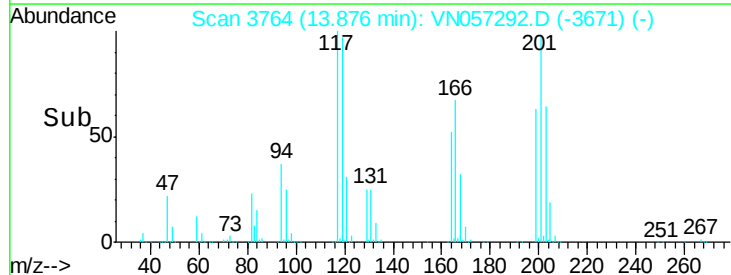
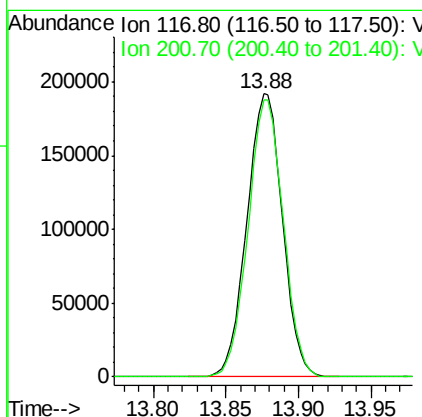
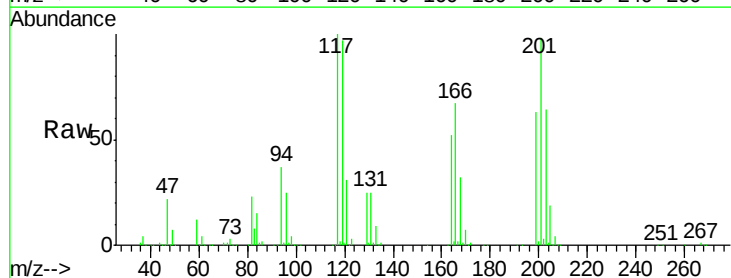
Manual Integrations
APPROVED

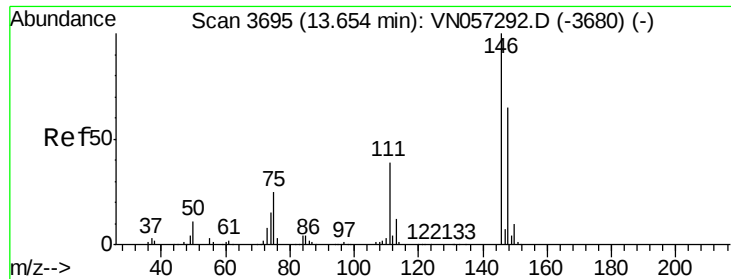
MMdadoda
8/19/2019 1:53:16 AM



#90
Hexachloroethane
Concen: 44.546 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	48.4	145.0





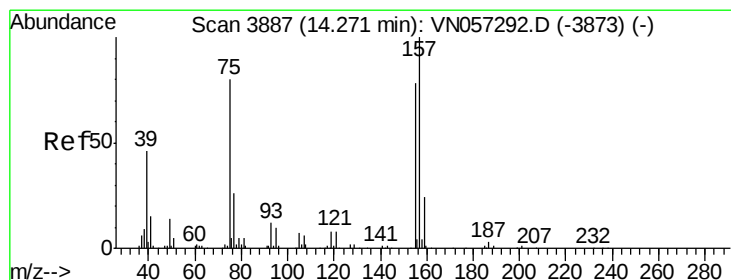
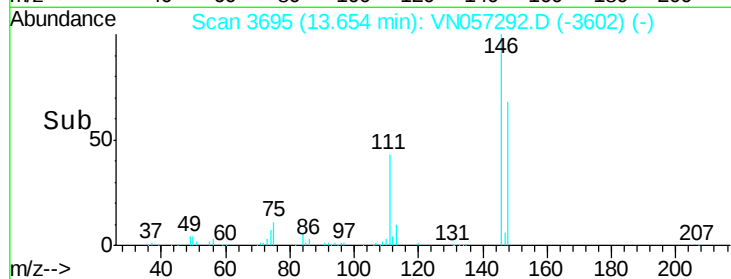
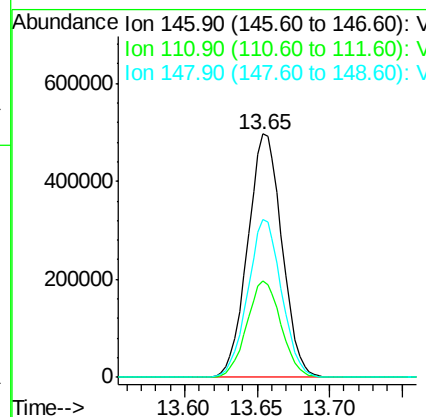
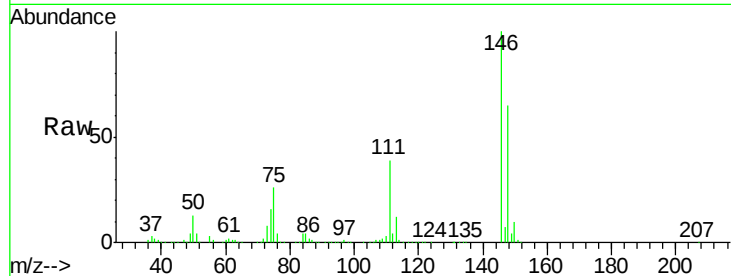
#91
 1,2-Dichlorobenzene
 Concen: 47.367 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.0	32.0	96.0

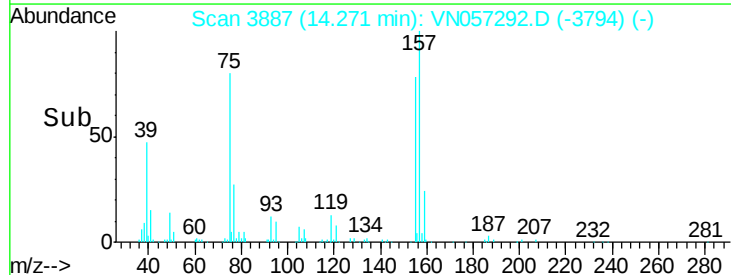
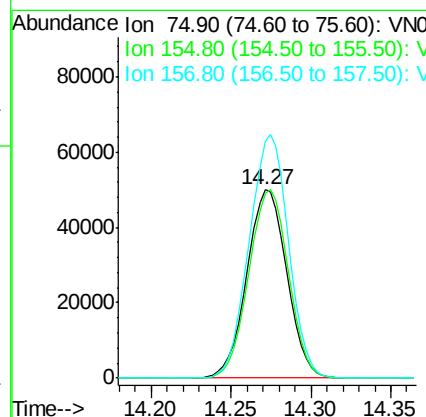
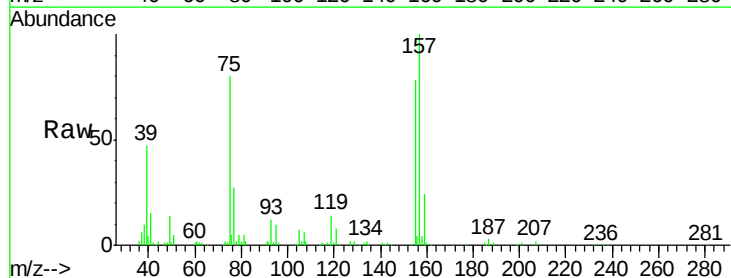
Manual Integrations
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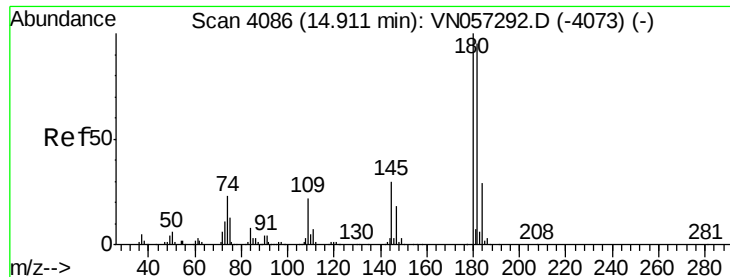
MMdadoda
 8/19/2019 1:53:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.565 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	49.6	148.8
157	127.4	63.7	191.1





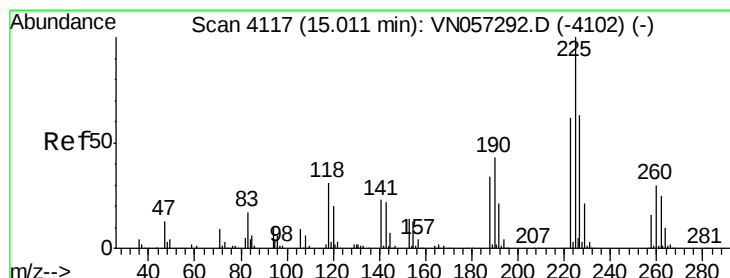
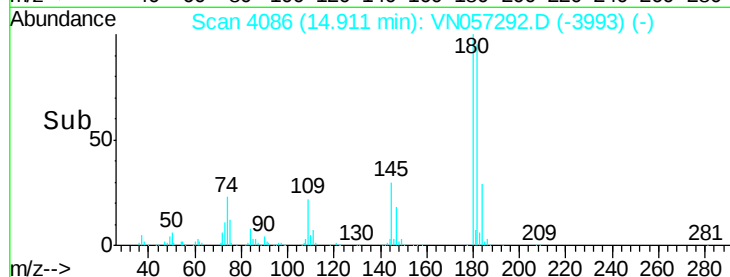
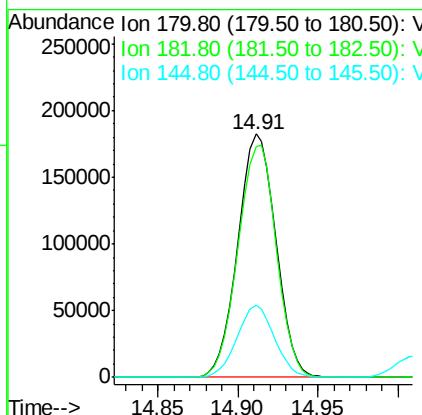
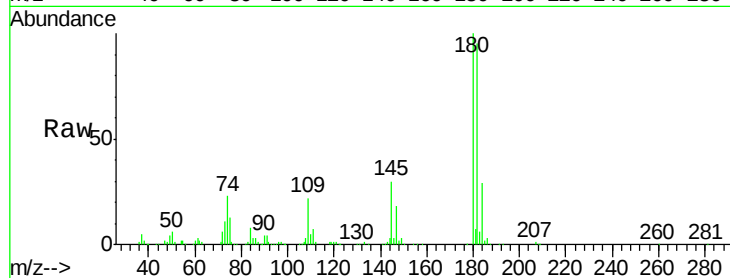
#93
 1,2,4-Trichlorobenzene
 Concen: 47.566 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	180	Resp:	294790
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.2
145	29.1	14.5	43.6

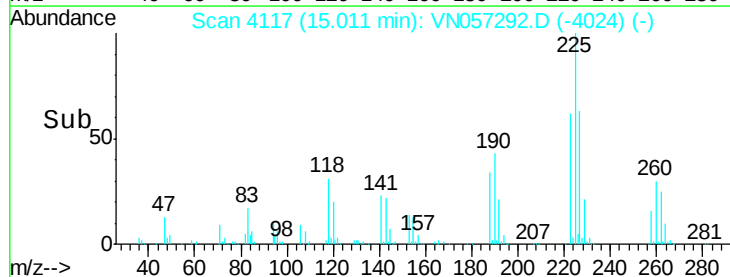
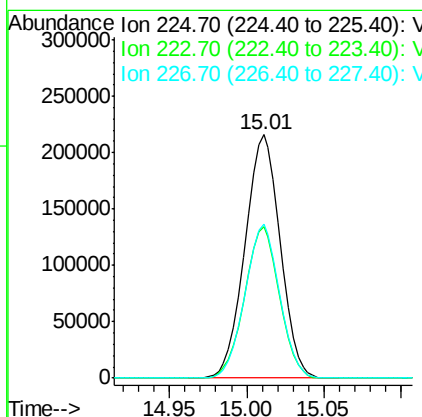
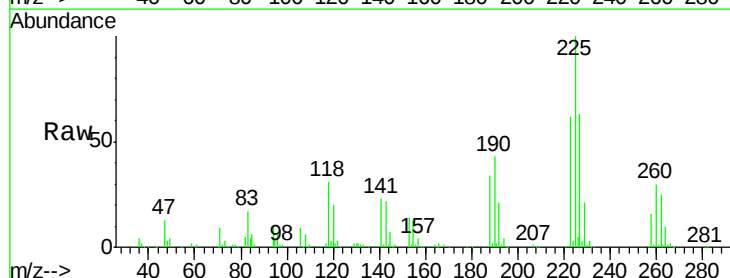
Manual Integrations
 APPROVED

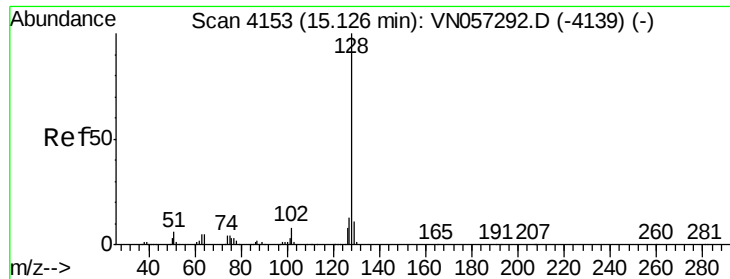
MMdadoda
 8/19/2019 1:53:16 AM



#94
 Hexachlorobutadiene
 Concen: 41.211 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion:	225	Resp:	342405
Ion Ratio	Lower	Upper	
225	100		
223	61.4	30.7	92.1
227	61.8	30.9	92.7





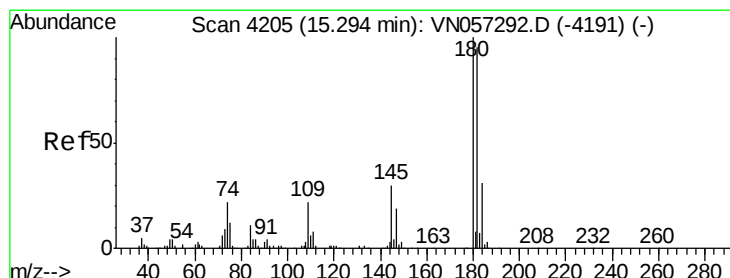
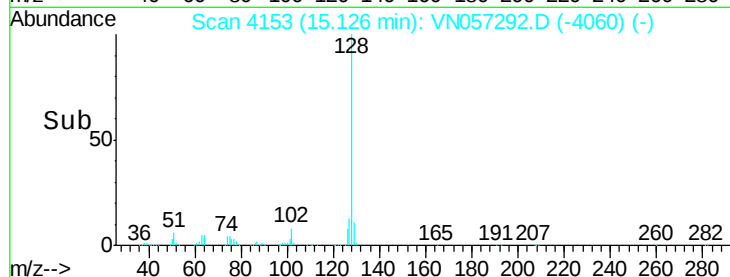
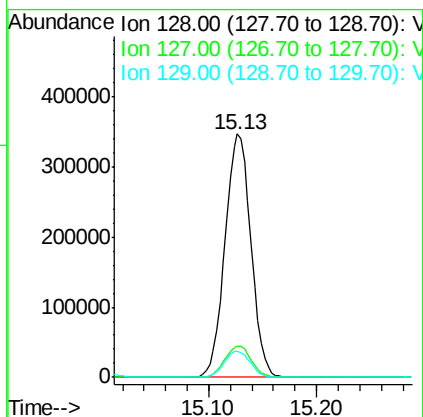
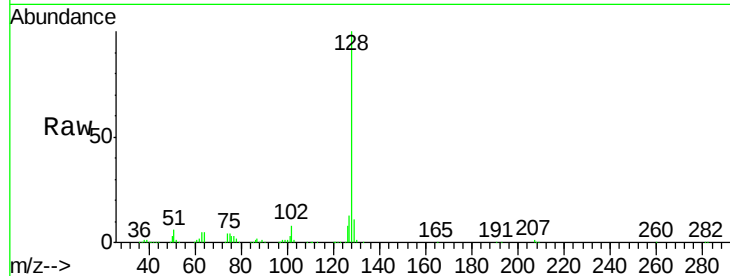
#95
Naphthalene
Concen: 47.619 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 42.898 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	30.2	15.1	45.3

