

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057317.D
 Acq On : 15 Aug 2019 9:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:54:02 AM

Quant Time: Aug 15 09:41:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 08:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	902268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1286336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1151524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	495420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	456728	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
35) Dibromofluoromethane	7.58	113	416599	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	10.09	98	1542671	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.40	95	528388	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	344372	44.355	ug/l	97
3) Chloromethane	2.05	50	373981	40.809	ug/l	97
4) Vinyl Chloride	2.18	62	380166	44.095	ug/l	98
5) Bromomethane	2.55	94	287025m	46.703	ug/l	
6) Chloroethane	2.69	64	261416	44.081	ug/l	99
7) Trichlorofluoromethane	3.02	101	611148	45.192	ug/l	99
8) Diethyl Ether	3.40	74	233046	45.786	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	367292	46.227	ug/l	98
10) Methyl Iodide	3.95	142	591841	46.601	ug/l	100
11) Tert butyl alcohol	4.76	59	289037	207.278	ug/l	100
12) 1,1-Dichloroethene	3.73	96	363883	45.966	ug/l	98
13) Acrolein	3.60	56	175056	206.796	ug/l	100
14) Allyl chloride	4.31	41	565315	44.549	ug/l	99
15) Acrylonitrile	4.97	53	811525	214.362	ug/l	100
16) Acetone	3.80	43	888322	261.072	ug/l	96
17) Carbon Disulfide	4.05	76	967274	45.354	ug/l	99
18) Methyl Acetate	4.31	43	393845	42.979	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1127771	45.401	ug/l	99
20) Methylene Chloride	4.54	84	409057	42.967	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	395125	46.413	ug/l	97
22) Diisopropyl ether	5.93	45	1135321	45.290	ug/l	98
23) Vinyl Acetate	5.88	43	4524103	224.246	ug/l	98
24) 1,1-Dichloroethane	5.84	63	695164	45.075	ug/l	99
25) 2-Butanone	6.82	43	1126508	228.625	ug/l	94
26) 2,2-Dichloropropane	6.81	77	609306	48.885	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	455514	45.196	ug/l	99
28) Bromochloromethane	7.18	49	340907	49.750	ug/l #	98
29) Tetrahydrofuran	7.20	42	662896	212.586	ug/l	100
30) Chloroform	7.36	83	714309	44.197	ug/l	97
31) Cyclohexane	7.64	56	583616	43.668	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	633219	46.582	ug/l	98
36) 1,1-Dichloropropene	7.78	75	541400	47.669	ug/l	98
37) Ethyl Acetate	6.91	43	421195	45.278	ug/l	99
38) Carbon Tetrachloride	7.76	117	559201	47.388	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	641105	48.342	ug/l	99
40) Benzene	8.03	78	1615945	46.517	ug/l	97
41) Methacrylonitrile	7.17	41	216619m	51.710	ug/l	
42) 1,2-Dichloroethane	8.11	62	530529	46.144	ug/l	100
43) Isopropyl Acetate	8.15	43	789362	45.967	ug/l	99
44) Trichloroethene	8.83	130	470906	48.216	ug/l	97
45) 1,2-Dichloropropane	9.11	63	420056	46.912	ug/l	99
46) Dibromomethane	9.20	93	278951	46.698	ug/l	99
47) Bromodichloromethane	9.40	83	561084	47.407	ug/l	99
48) Methyl methacrylate	9.19	41	342260	44.680	ug/l	99
49) 1,4-Dioxane	9.19	88	145849	905.382	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2090706	217.857	ug/l	100
52) Toluene	10.15	92	1023717	47.346	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	602342	47.050	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	681094	48.246	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	395138	46.475	ug/l	98
56) Ethyl methacrylate	10.43	69	583607	47.036	ug/l	98
57) 1,3-Dichloropropane	10.70	76	657685	46.305	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	802283	220.291	ug/l	99
59) 2-Hexanone	10.75	43	1567842	227.247	ug/l	99
60) Dibromochloromethane	10.90	129	462929	48.587	ug/l	98
61) 1,2-Dibromoethane	11.00	107	418603	46.218	ug/l	99
64) Tetrachloroethene	10.63	164	462216	46.432	ug/l	98
65) Chlorobenzene	11.43	112	1120569	47.712	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	435585	48.428	ug/l	99
67) Ethyl Benzene	11.51	91	1973580	48.031	ug/l	99
68) m/p-Xylenes	11.62	106	1497363	98.908	ug/l	100
69) o-Xylene	11.95	106	721224	48.520	ug/l	100
70) Styrene	11.96	104	1202298	50.742	ug/l	100
71) Bromoform	12.13	173	341796	48.168	ug/l #	99
73) Isopropylbenzene	12.25	105	1966499	49.909	ug/l	100
74) N-amyl acetate	12.07	43	590486	41.074	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	528156	47.761	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	439655m	44.876	ug/l	
77) Bromobenzene	12.53	156	511765	48.112	ug/l	99
78) n-propylbenzene	12.59	91	2113135	44.293	ug/l	100
79) 2-Chlorotoluene	12.67	91	1285487	49.250	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1662509	49.796	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	172676	42.501	ug/l	99
82) 4-Chlorotoluene	12.77	91	1251129	44.256	ug/l	99
83) tert-Butylbenzene	12.99	119	1457351	49.714	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1557118	43.637	ug/l	99
85) sec-Butylbenzene	13.17	105	1820360	48.525	ug/l	100
86) p-Isopropyltoluene	13.29	119	1622290	44.406	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	823648	47.451	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	779839	47.328	ug/l	99
89) n-Butylbenzene	13.62	91	1206549	46.326	ug/l	100
90) Hexachloroethane	13.88	117	302452	48.612	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	803060	49.629	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79413	44.951	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	354702	54.299	ug/l	98
94) Hexachlorobutadiene	15.01	225	341399	55.530	ug/l	97
95) Naphthalene	15.13	128	598047	57.233	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	317688	65.278	ug/l	99

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

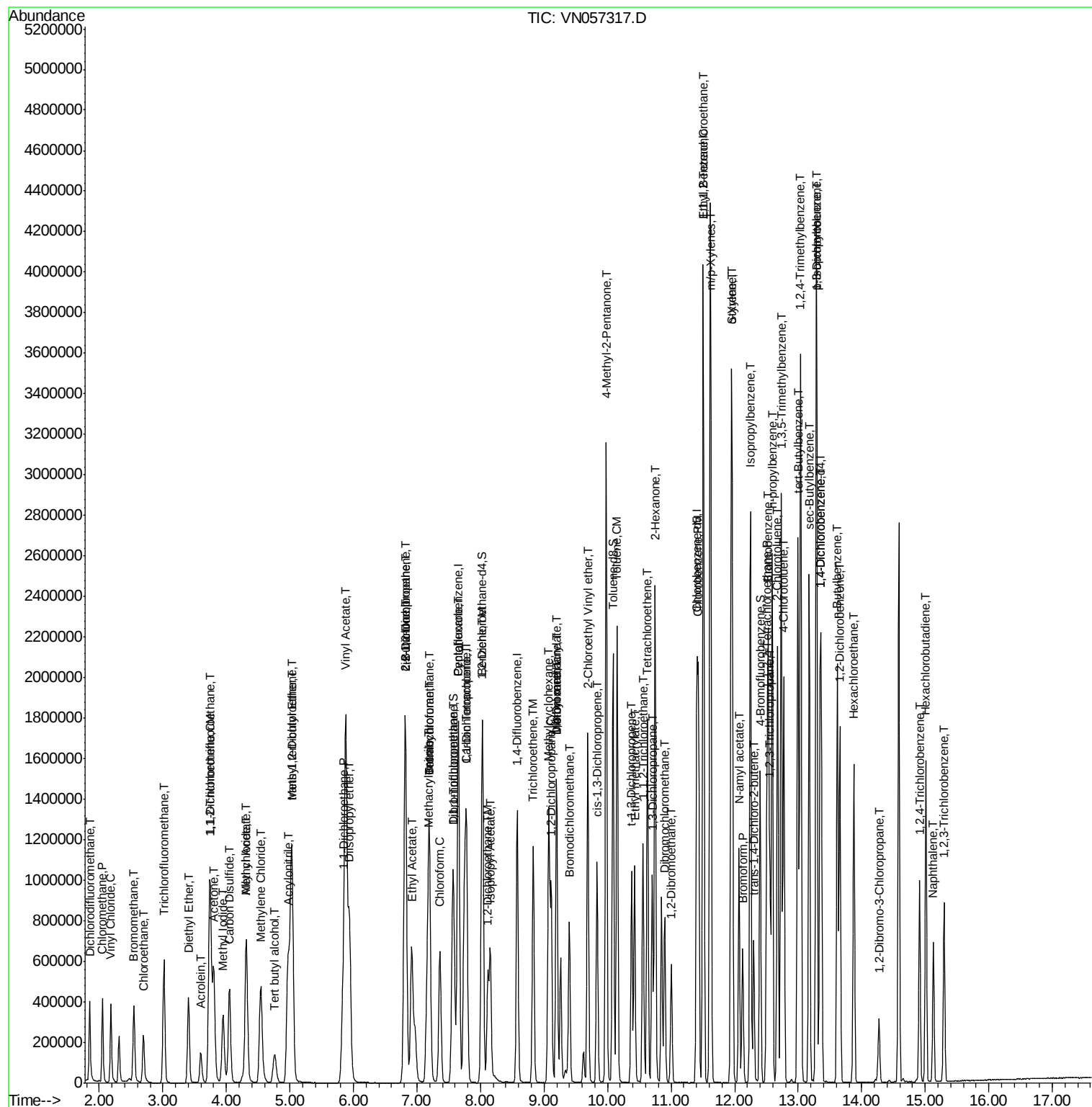
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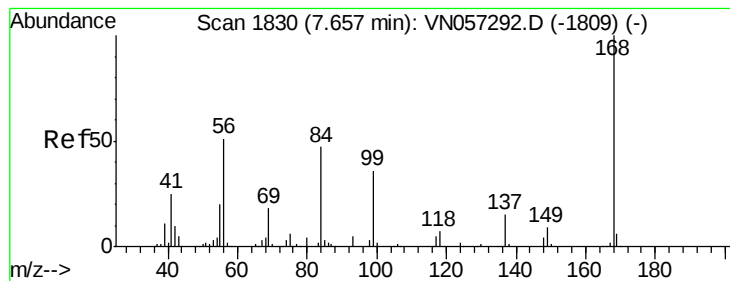
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Tot Ion: 168 Resp: 902268

Ion Ratio Lower Upper

168 100

99 48.0 39.4 59.2

Instrument :

MSVOA_N

ClientSampleId :

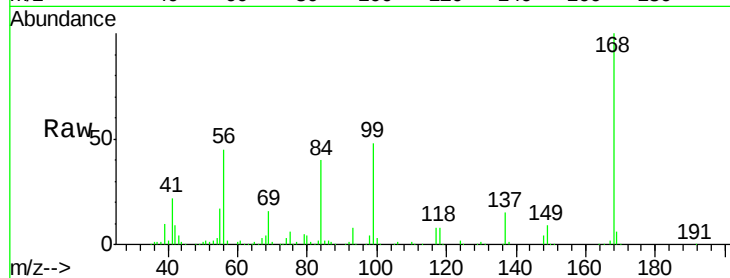
VSTDCCC050

Manual Integrations

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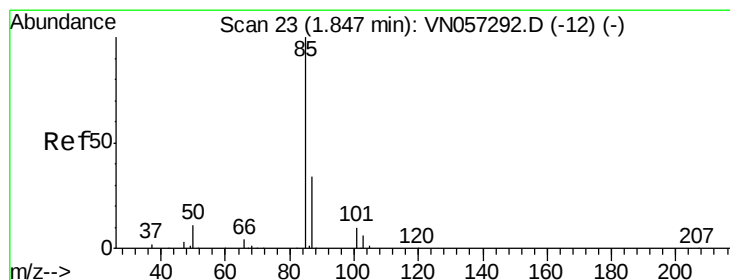
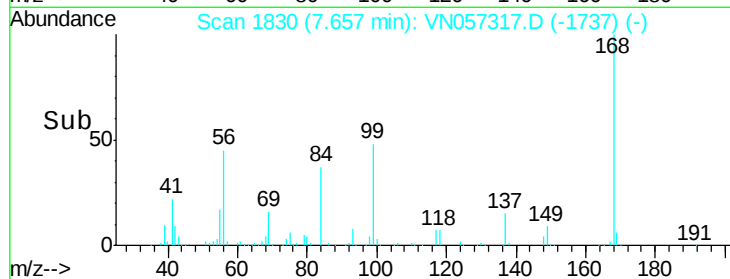
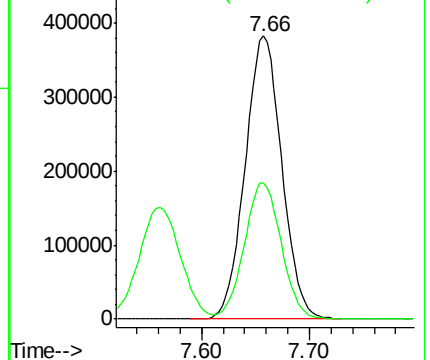
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8/19/2019 1:54:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.355 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057317.D

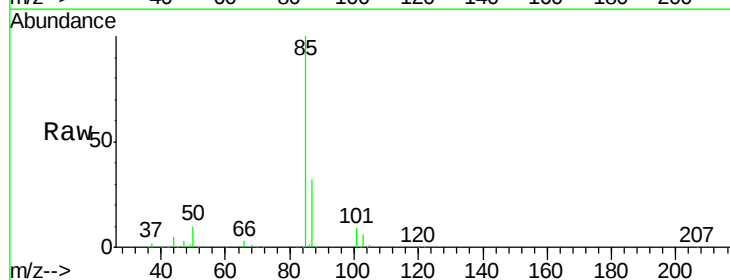
Acq: 15 Aug 2019 9:16

Tgt Ion: 85 Resp: 344372

Ion Ratio Lower Upper

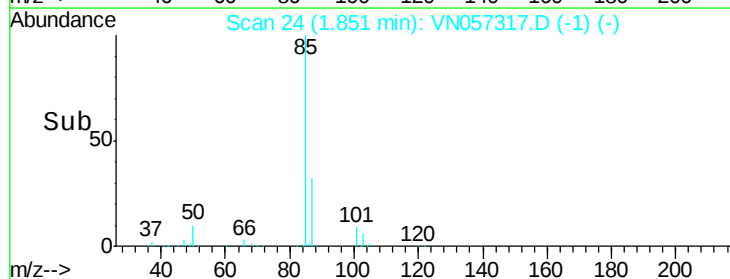
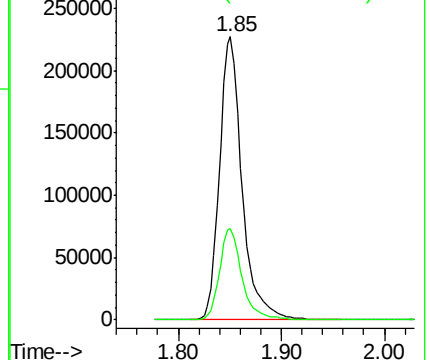
85 100

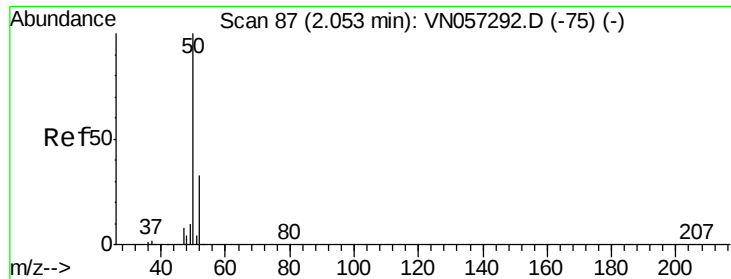
87 32.4 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 40.809 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 373981

Ion Ratio Lower Upper

50 100

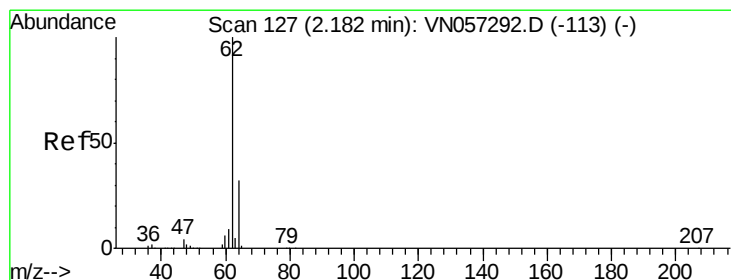
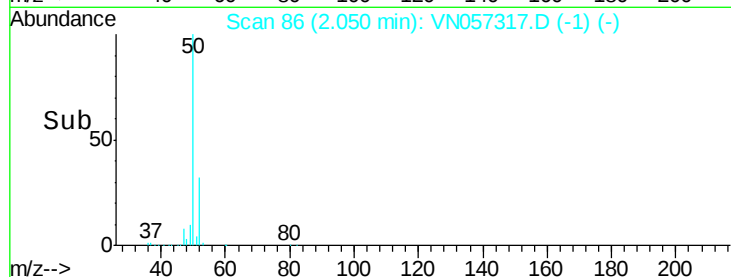
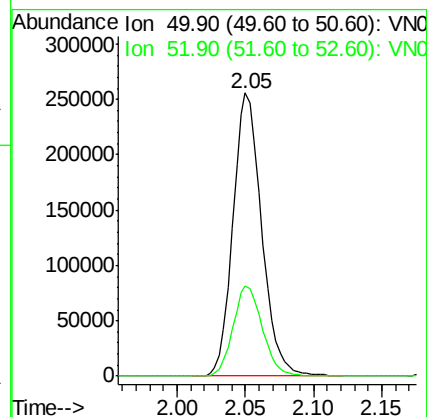
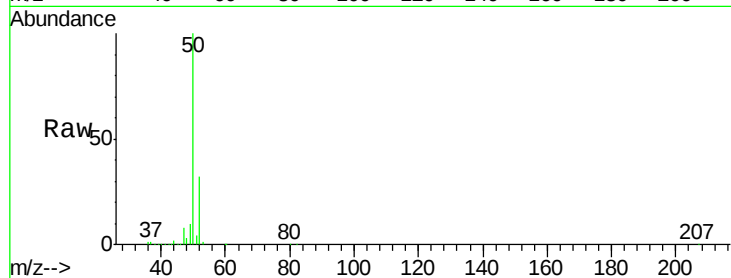
52 32.0 26.8 40.2

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#4

Vinyl Chloride

Concen: 44.095 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057317.D

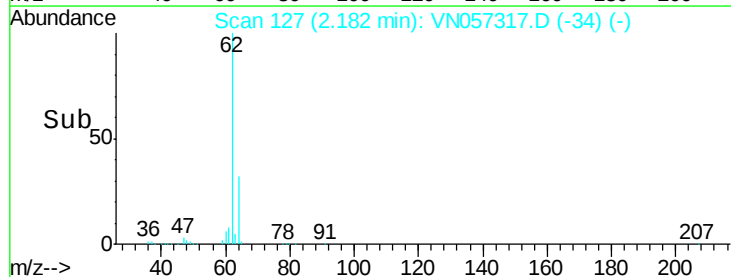
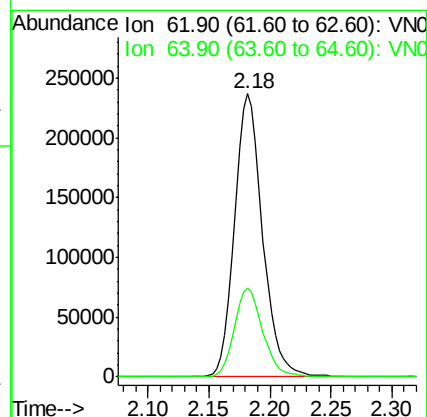
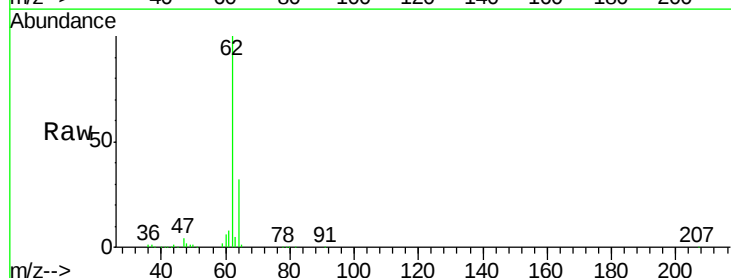
Acq: 15 Aug 2019 9:16

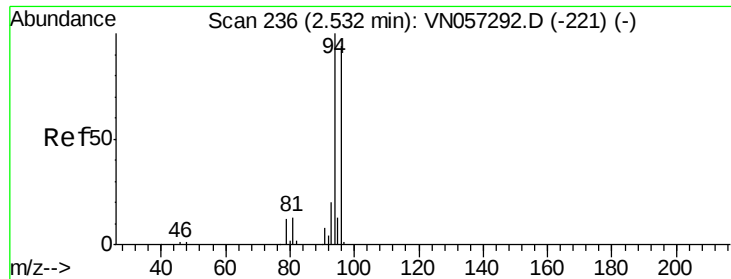
Tgt Ion: 62 Resp: 380166

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 46.703 ug/l m

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

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ClientSampleId :

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Tot Ion: 94 Resp: 287025

Ion Ratio Lower Upper

94 100

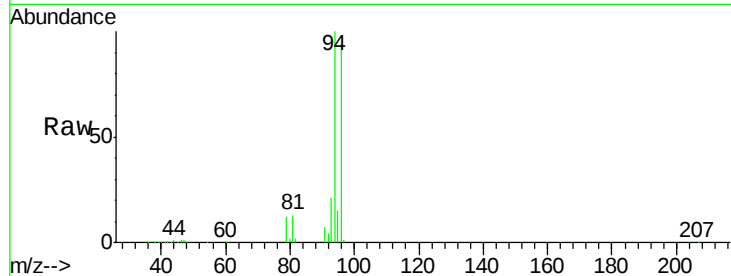
96 93.9 75.0 112.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

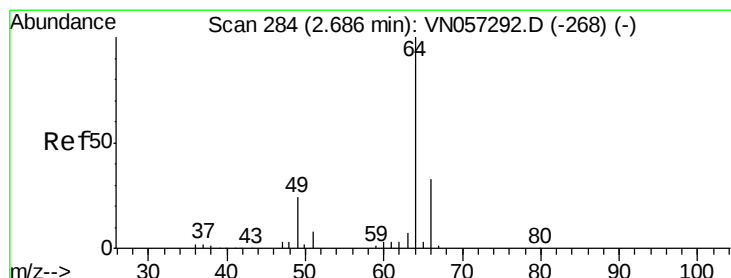
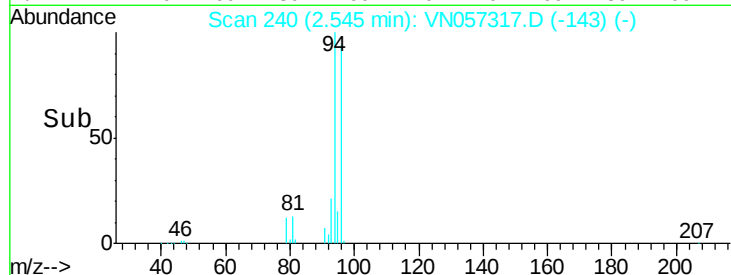
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100000

50000

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Time-->



#6

Chloroethane

Concen: 44.081 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN057317.D

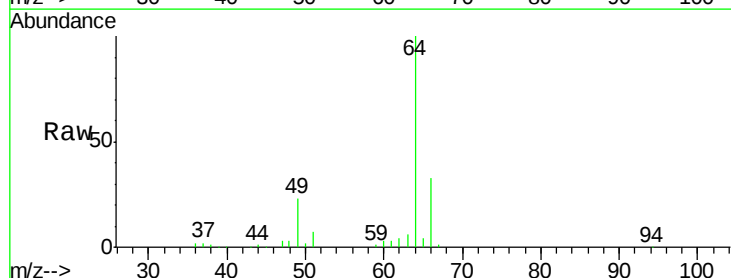
Acq: 15 Aug 2019 9:16

Tgt Ion: 64 Resp: 261416

Ion Ratio Lower Upper

64 100

66 32.7 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

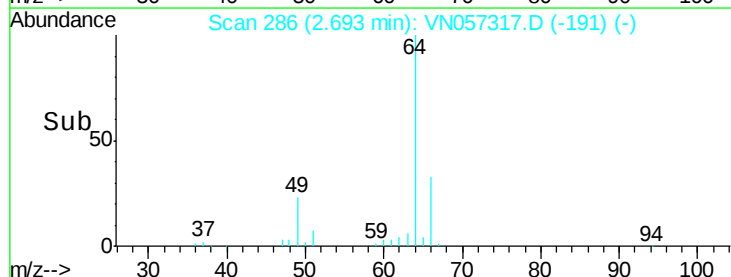
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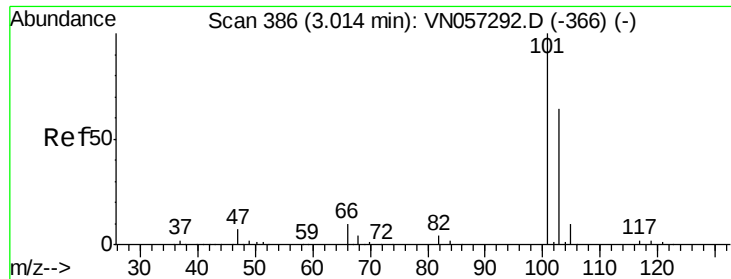
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50000

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Time-->





#7

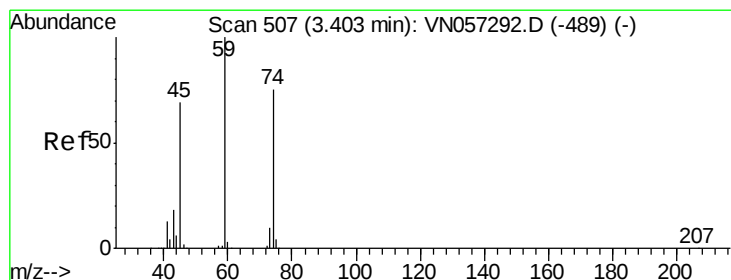
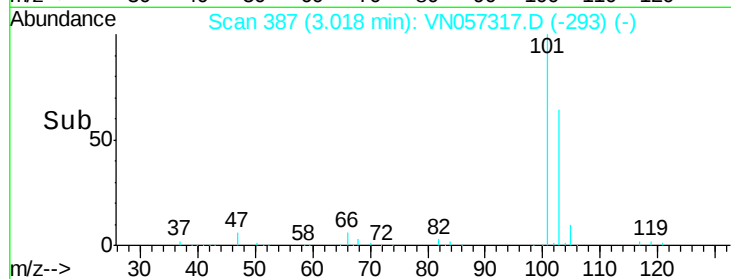
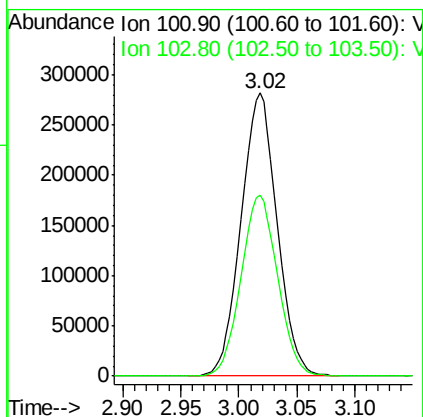
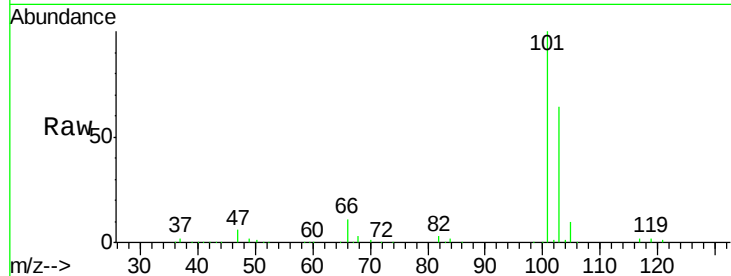
Trichlorofluoromethane
 Concen: 45.192 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.5	77.3

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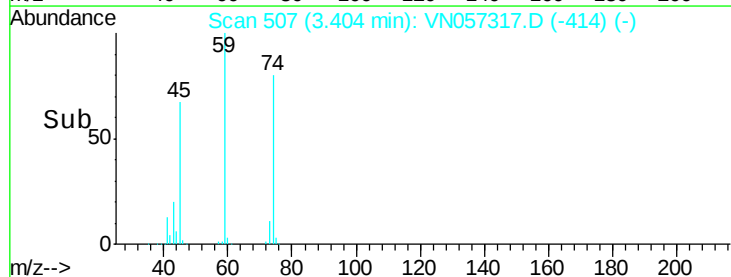
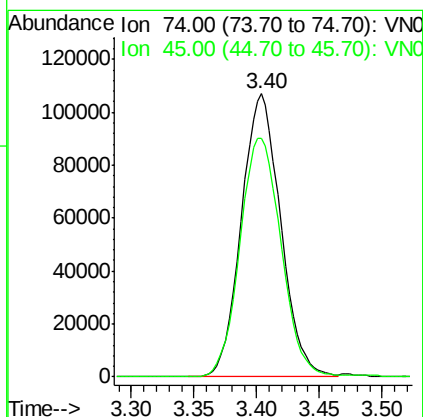
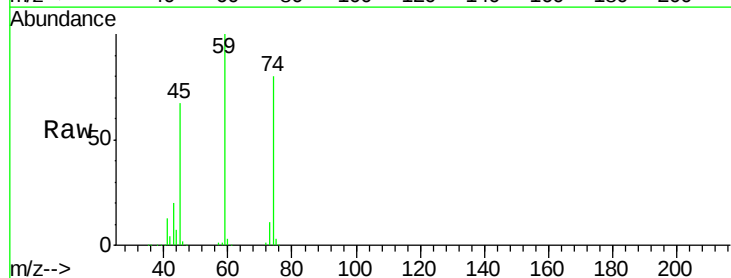
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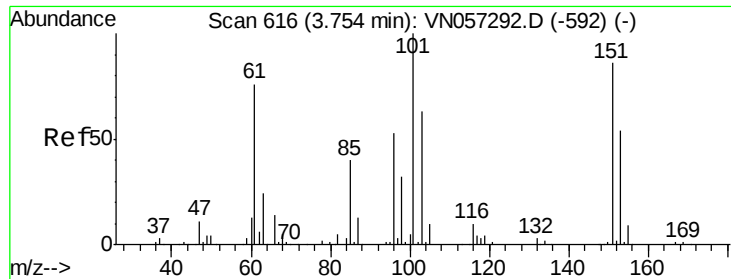


#8

Diethyl Ether
 Concen: 45.786 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057317.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	45.9	137.6





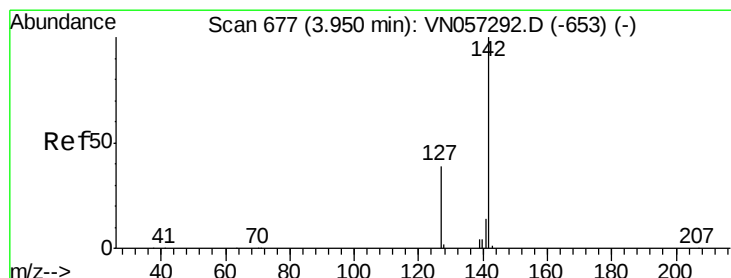
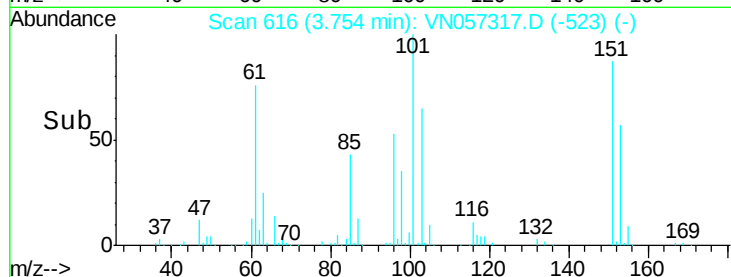
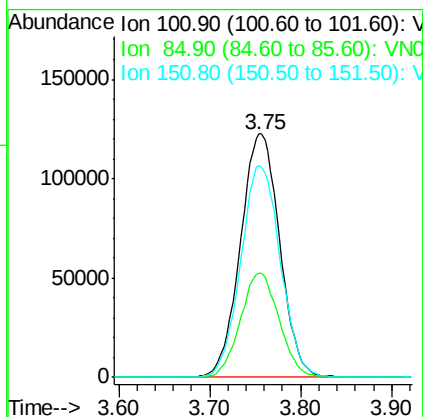
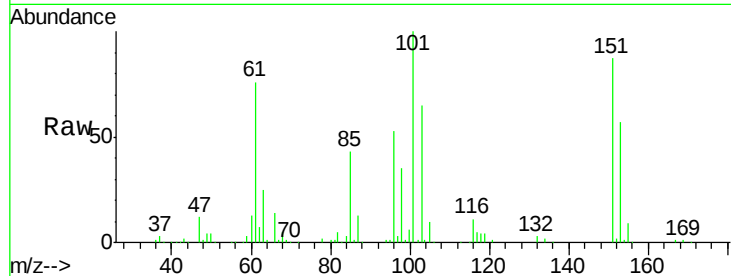
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.227 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	367292		
85	42.3		32.7	49.1
151	87.9		69.1	103.7

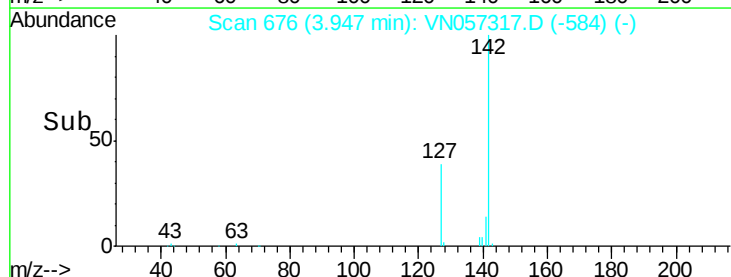
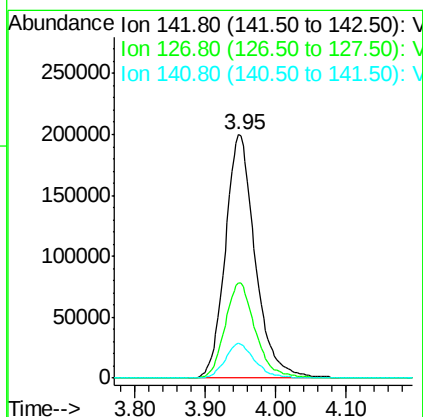
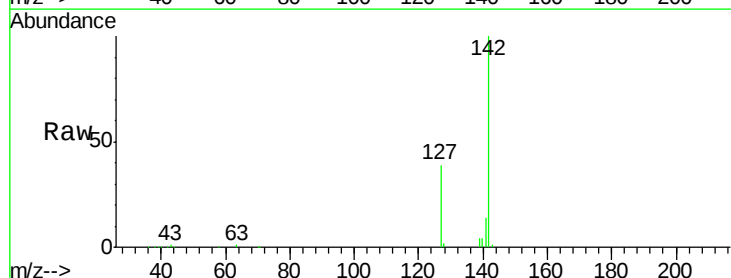
Manual Integrations
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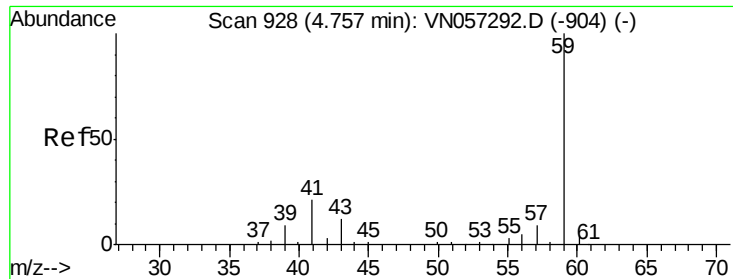
MMdadoda
 8/19/2019 1:54:02 AM



#10
 Methyl Iodide
 Concen: 46.601 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	591841		
127	39.8		31.6	47.4
141	14.2		11.2	16.8





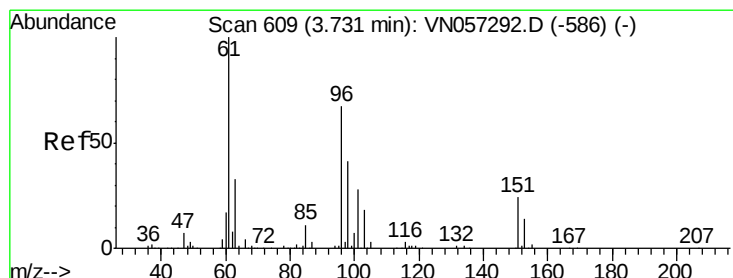
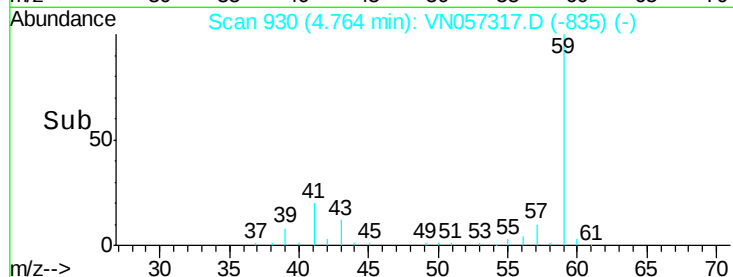
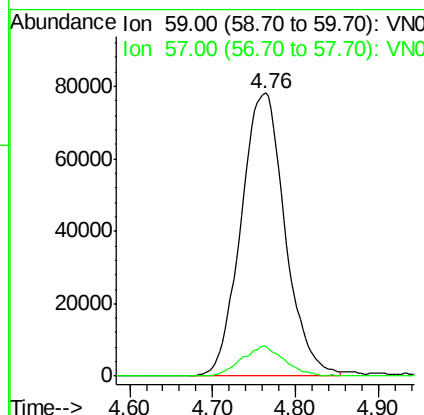
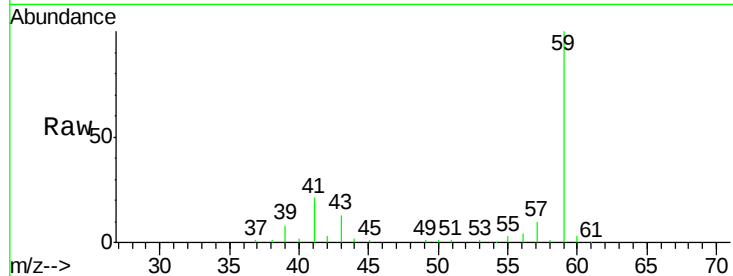
#11
Tert butyl alcohol
Concen: 207.278 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	289037		
57	10.2		8.2	12.2

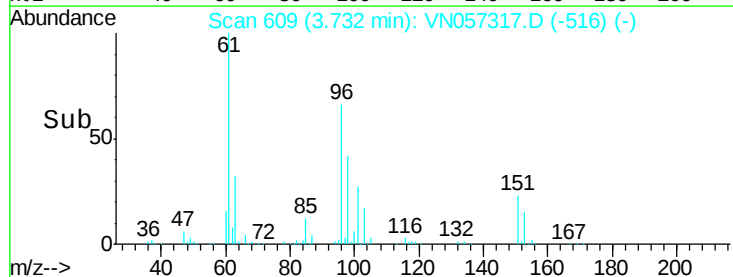
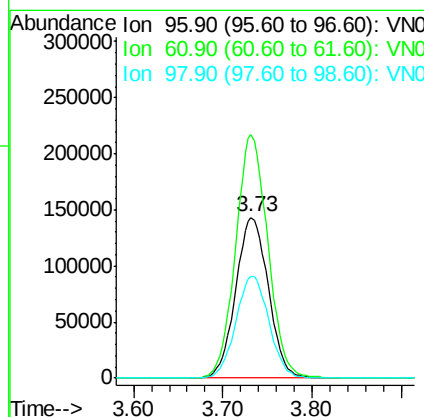
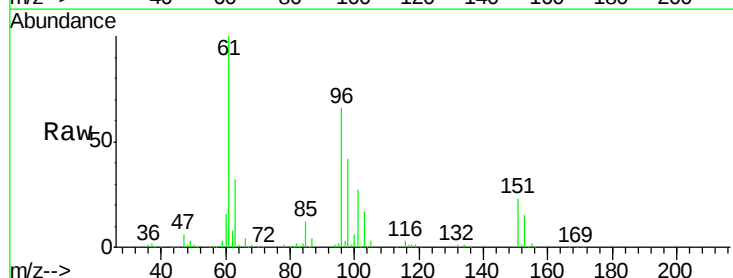
Manual Integrations
APPROVED

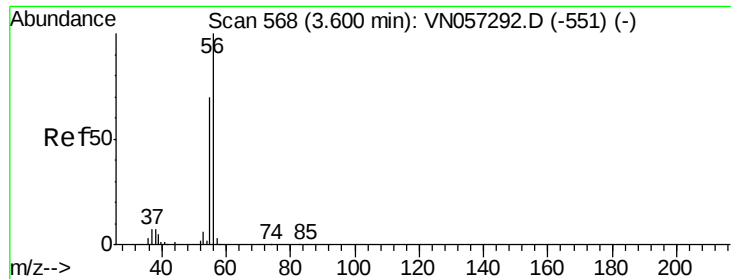
MMDadoda
8/19/2019 1:54:02 AM



#12
1,1-Dichloroethene
Concen: 45.966 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	363883		
61	151.8		119.7	179.5
98	63.6		49.0	73.4





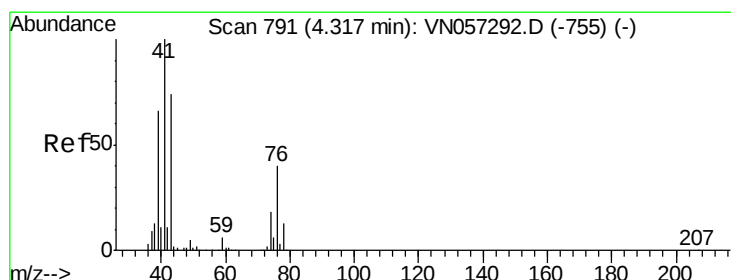
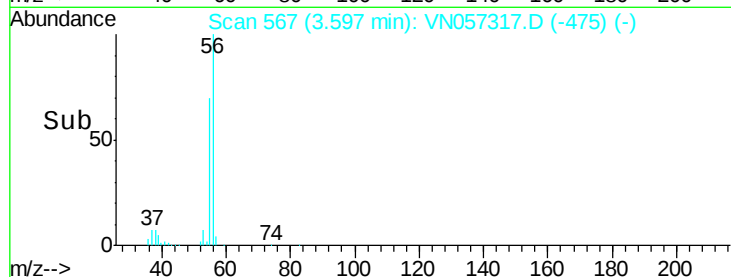
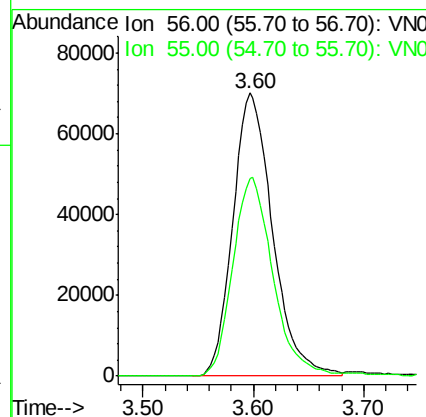
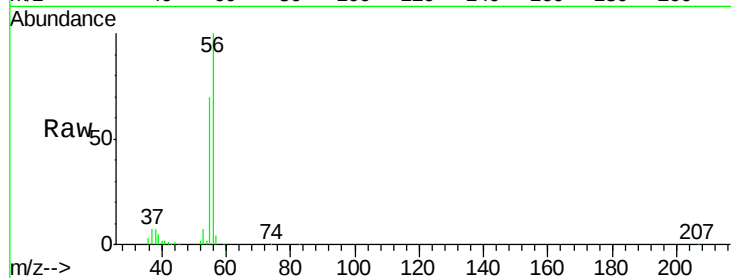
#13
Acrolein
Concen: 206.796 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.5	56.6	84.8	

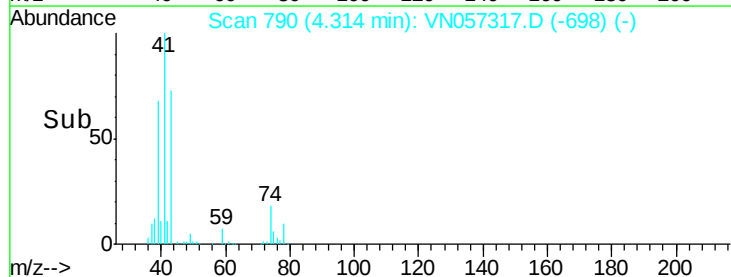
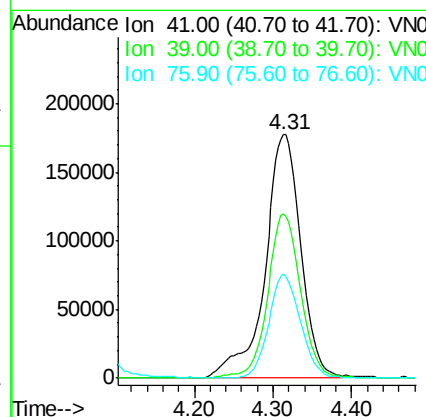
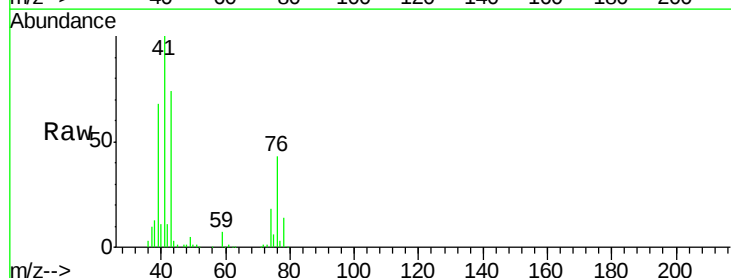
Manual Integrations
APPROVED

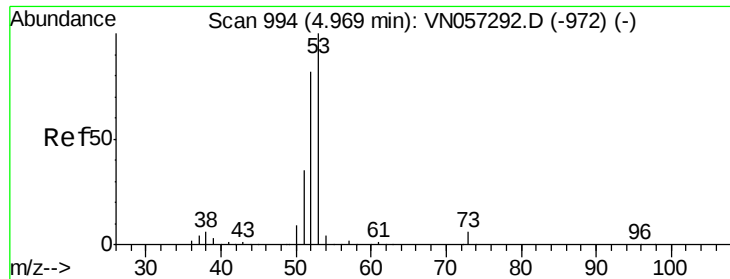
MMdadoda
8/19/2019 1:54:02 AM



#14
Allyl chloride
Concen: 44.549 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.2	49.0	73.6	
76	37.3	29.0	43.4	





#15

Acrylonitrile

Concen: 214.362 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

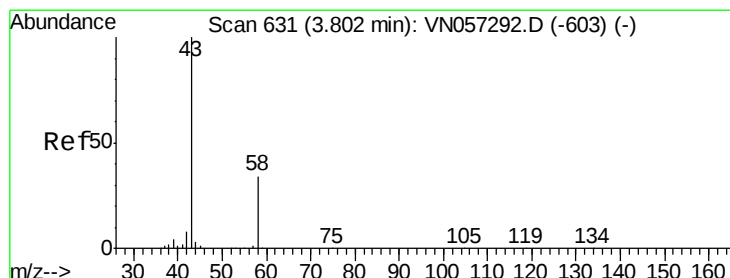
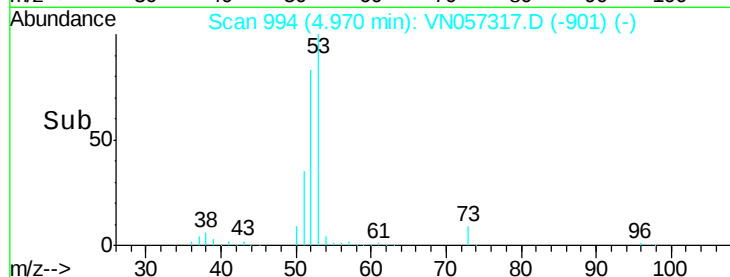
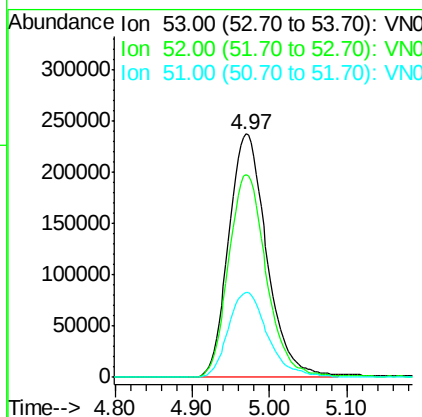
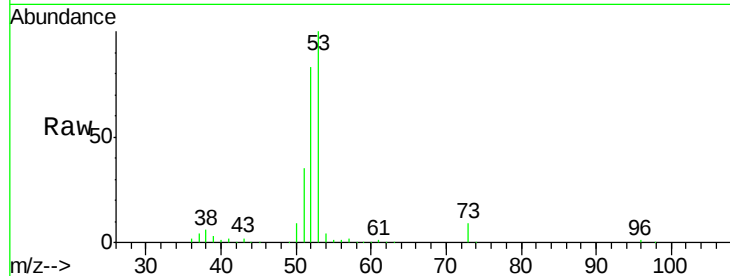
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	811525
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.2	99.2
51	36.1	28.5	42.7

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#16

Acetone

Concen: 261.072 ug/l

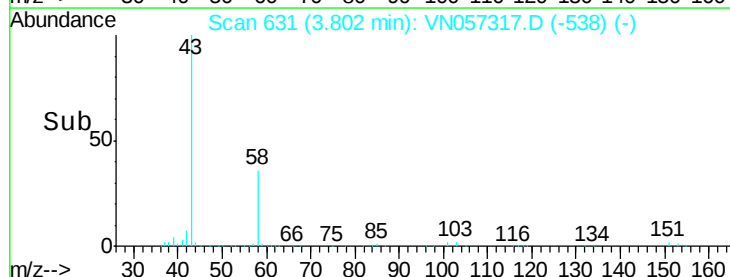
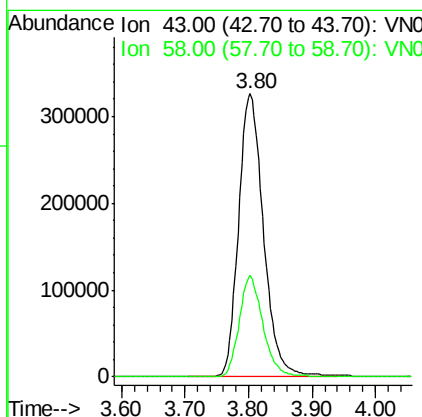
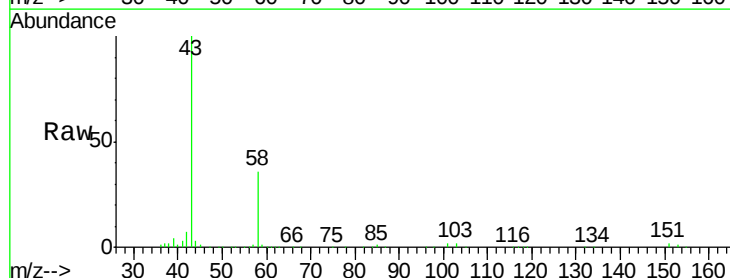
RT: 3.80 min Scan# 631

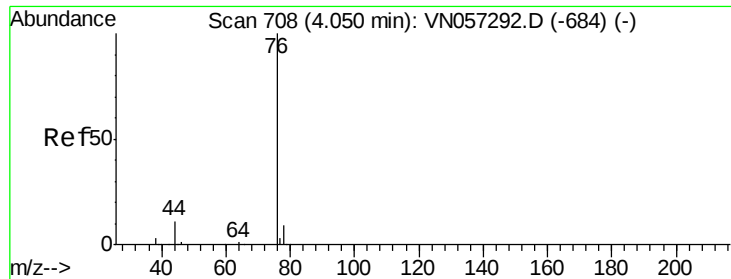
Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Tgt Ion:	43	Resp:	888322
Ion Ratio	Lower	Upper	
43	100		
58	35.9	27.0	40.6





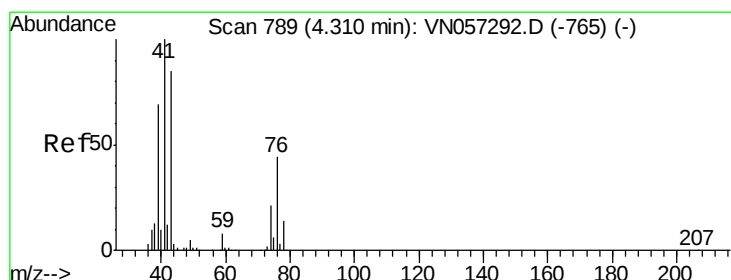
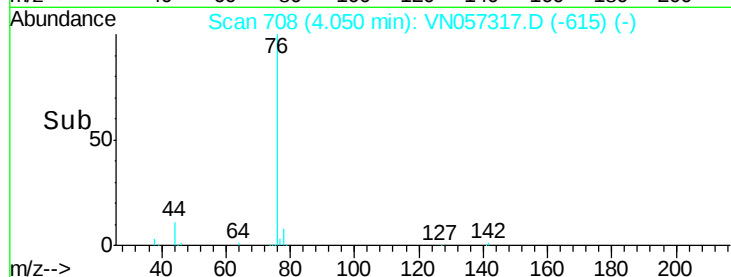
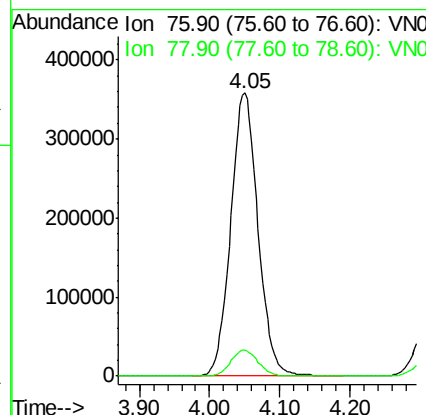
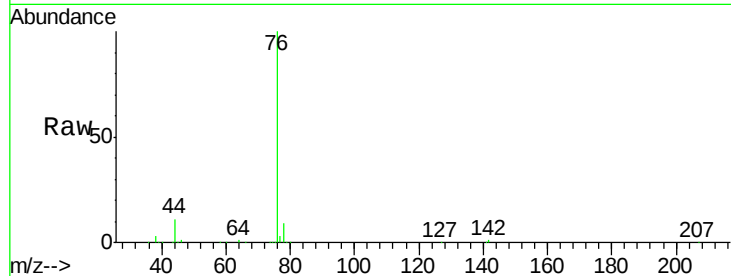
#17
Carbon Disulfide
Concen: 45.354 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

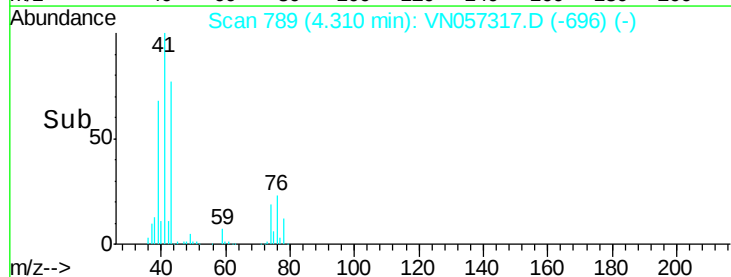
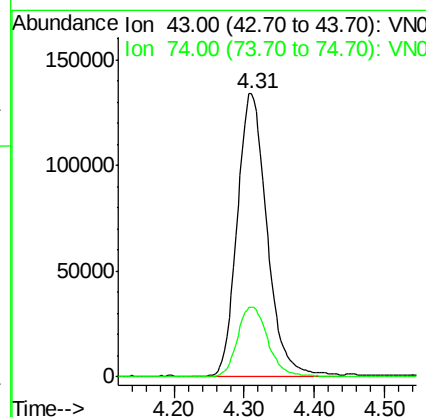
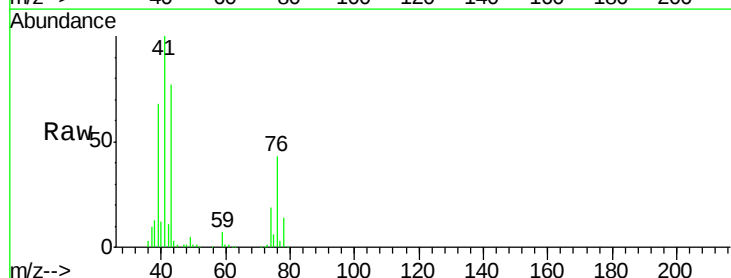
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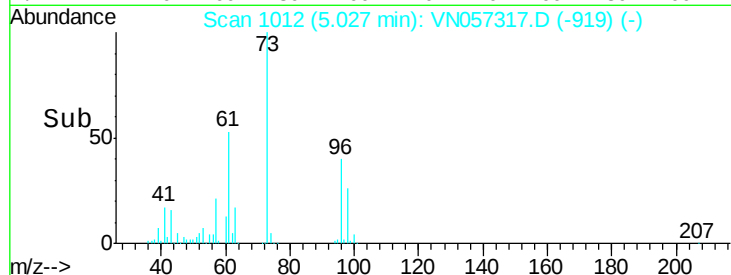
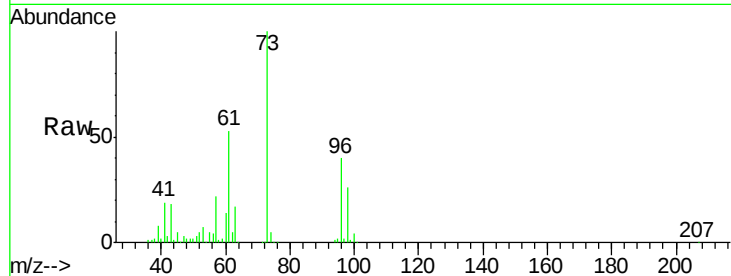
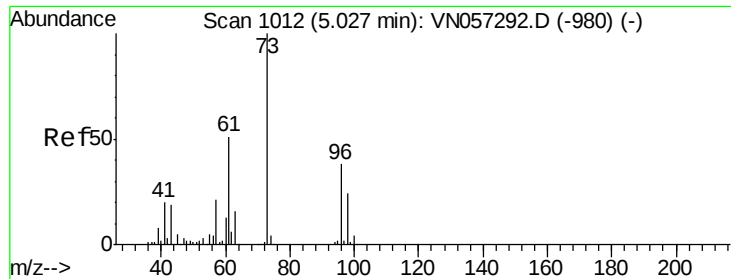
MMdadoda
8/19/2019 1:54:02 AM



#18
Methyl Acetate
Concen: 42.979 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	20.2	30.2





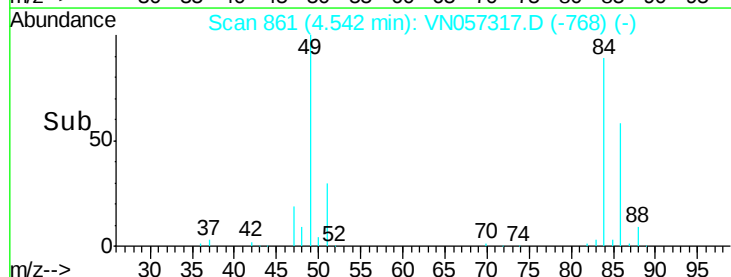
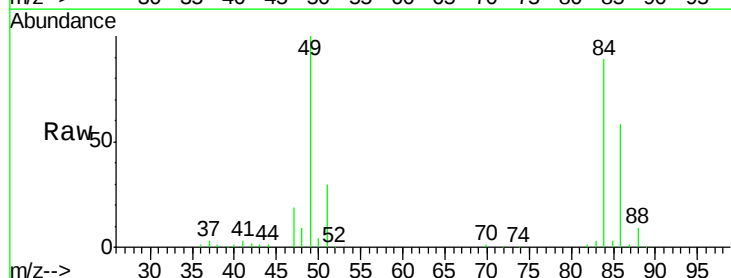
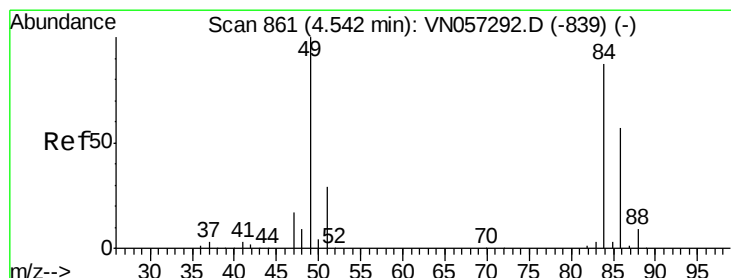
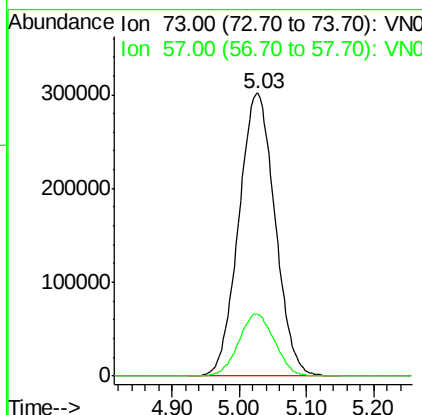
#19
Methvl tert-butvl Ether
Concen: 45.401 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tot Ion: 73 Resp: 1127771
Ion Ratio Lower Upper
73 100
57 21.8 16.9 25.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

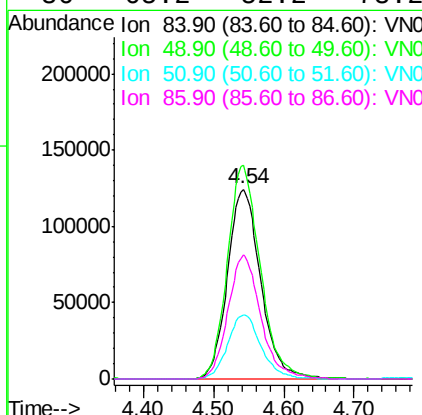
Manual Integrations
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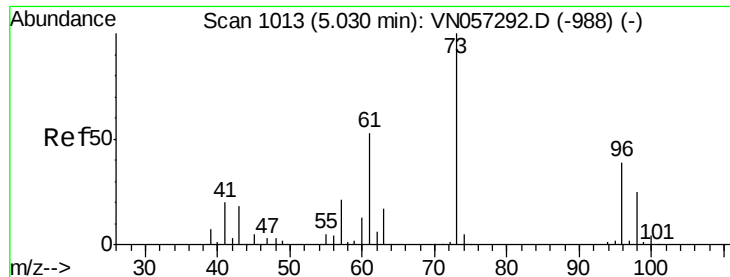
MMdadoda
8/19/2019 1:54:02 AM



#20
Methylene Chloride
Concen: 42.967 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion: 84 Resp: 409057
Ion Ratio Lower Upper
84 100
49 112.7 92.0 138.0
51 34.0 27.1 40.7
86 65.2 52.2 78.2





#21

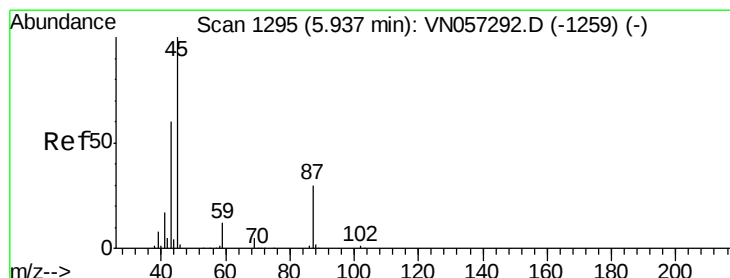
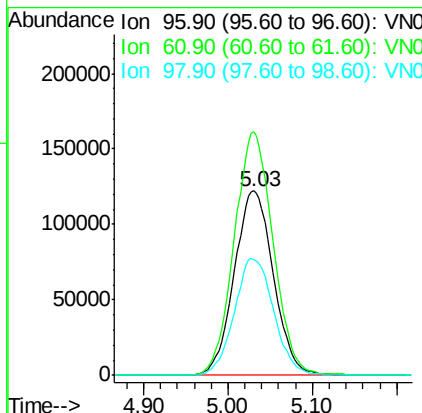
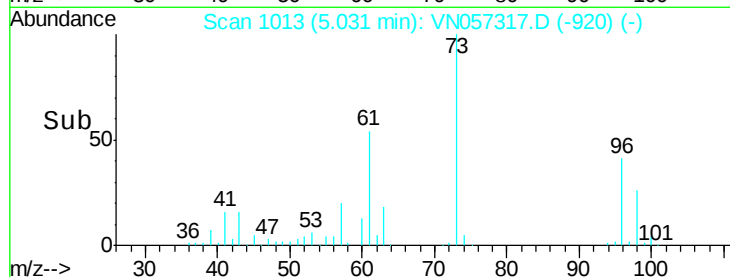
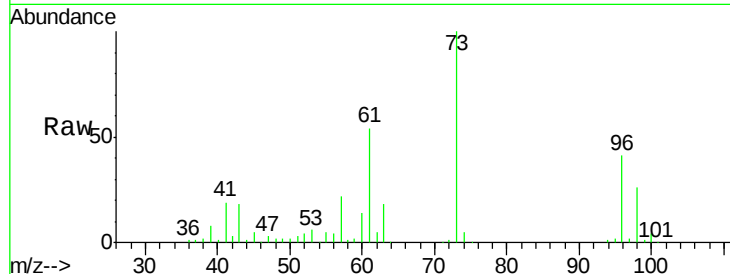
trans-1,2-Dichloroethene
Concen: 46.413 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.7	109.5	164.3
98	62.8	51.0	76.6

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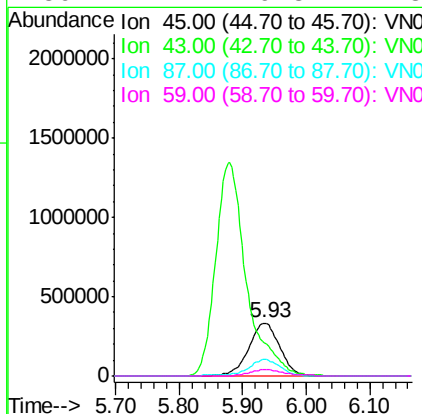
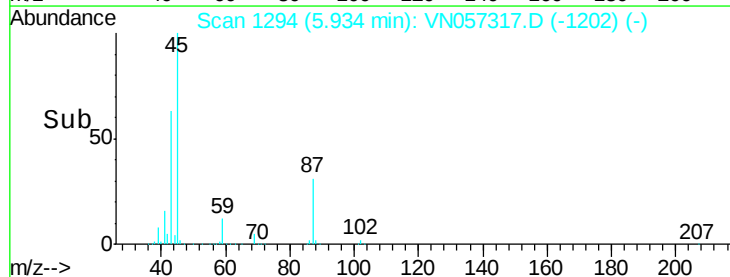
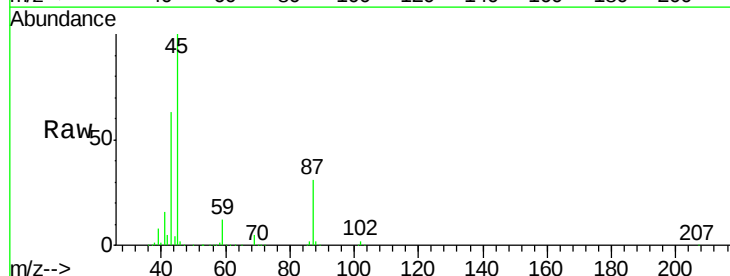
MMdadoda
8/19/2019 1:54:02 AM

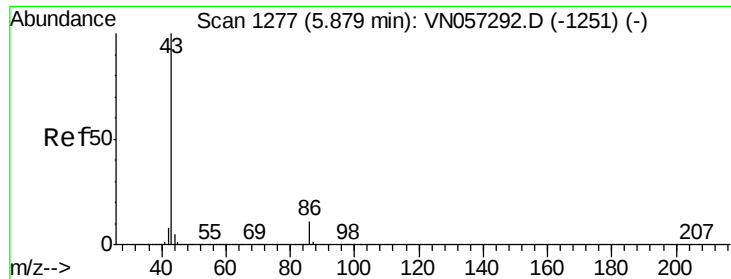


#22

Diisopropyl ether
Concen: 45.290 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.3	48.3	72.5
87	31.2	24.6	36.8
59	12.2	9.8	14.8





#23

Vinyl Acetate

Concen: 224.246 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4524103

Ion Ratio Lower Upper

43 100

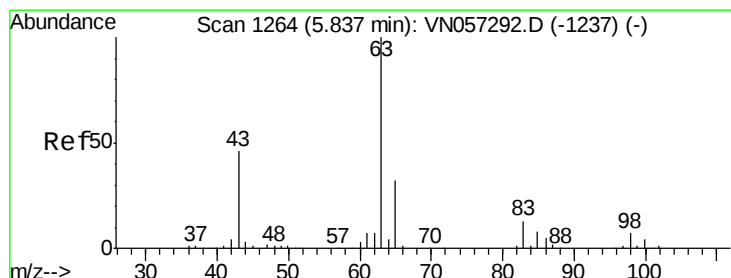
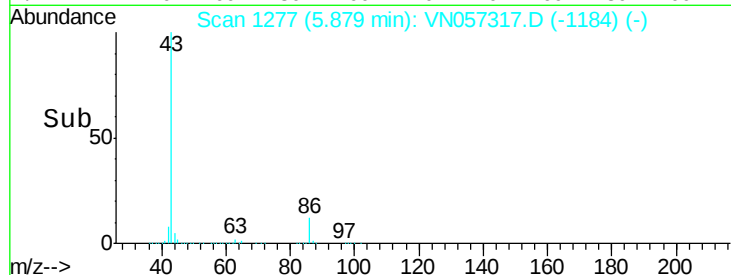
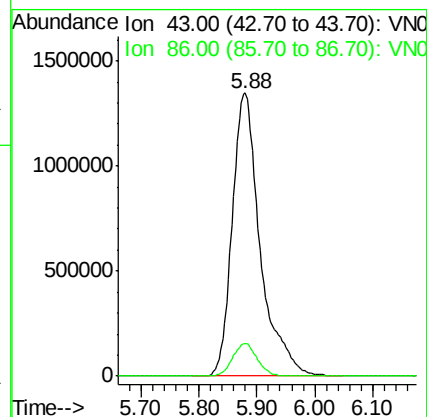
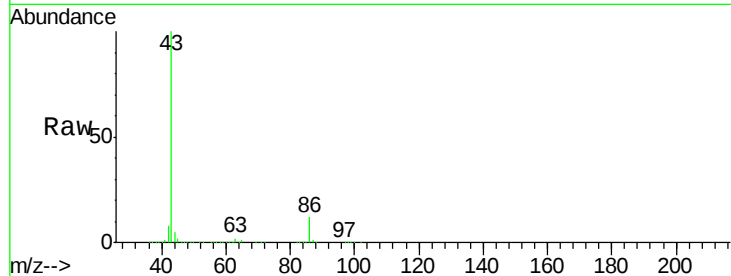
86 11.6 8.7 13.1

Manual Integrations

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MMdadoda

8/19/2019 1:54:02 AM



#24

1,1-Dichloroethane

Concen: 45.075 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

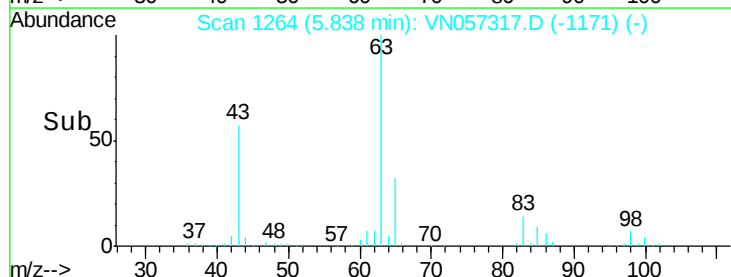
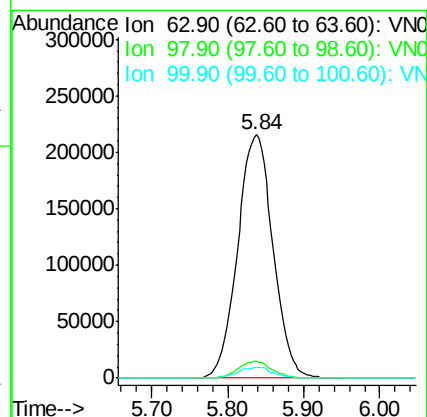
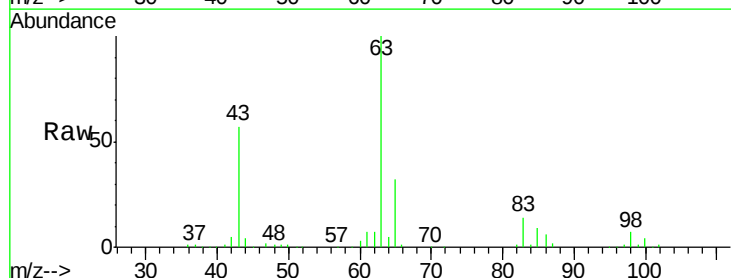
Tgt Ion: 63 Resp: 695164

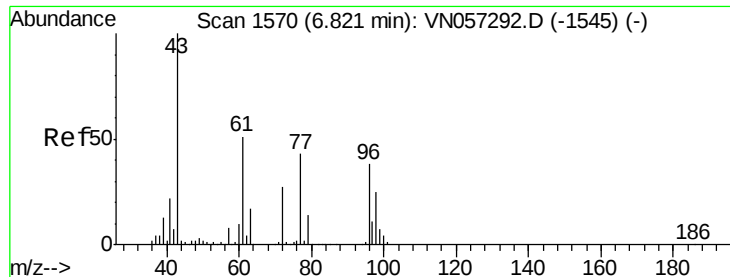
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 228.625 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Tot Ion: 43 Resp: 1126508

Ion Ratio Lower Upper

43 100

72 29.8 21.5 32.3

Instrument :

MSVOA_N

ClientSampleId :

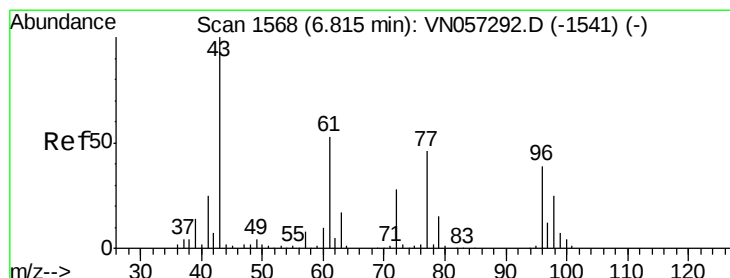
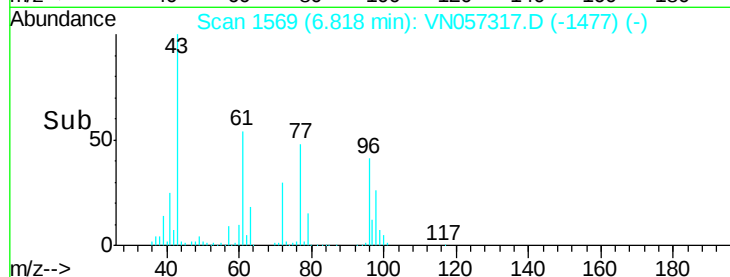
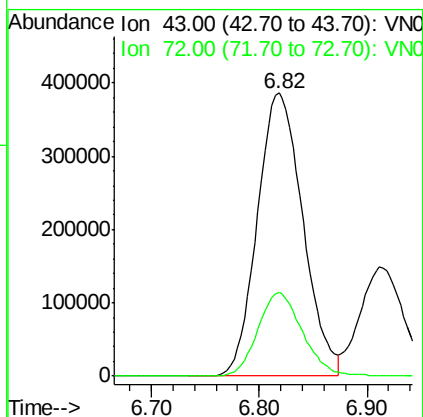
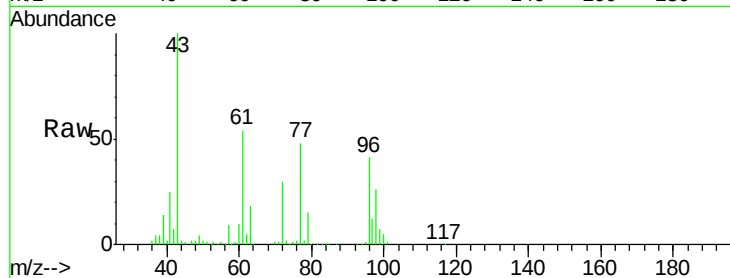
VSTDCCC050

Manual Integrations

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8/19/2019 1:54:02 AM



#26

2,2-Dichloropropane

Concen: 48.885 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057317.D

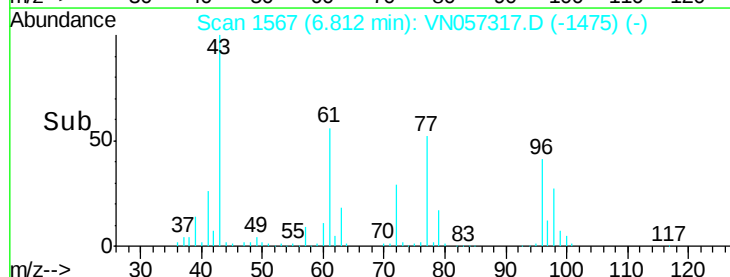
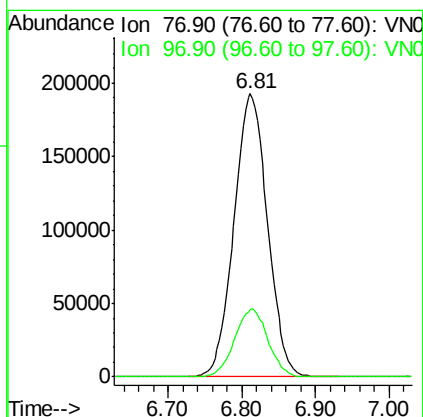
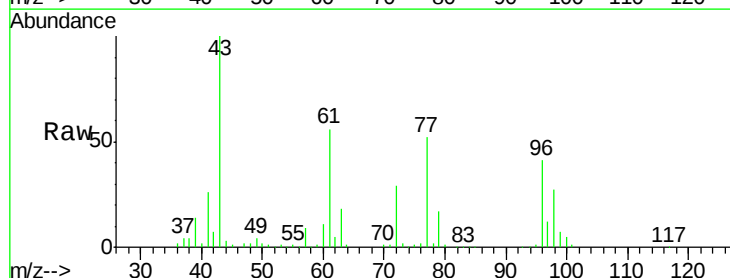
Acq: 15 Aug 2019 9:16

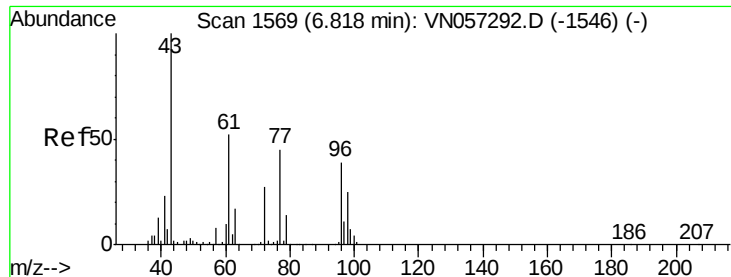
Tgt Ion: 77 Resp: 609306

Ion Ratio Lower Upper

77 100

97 23.9 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 45.196 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

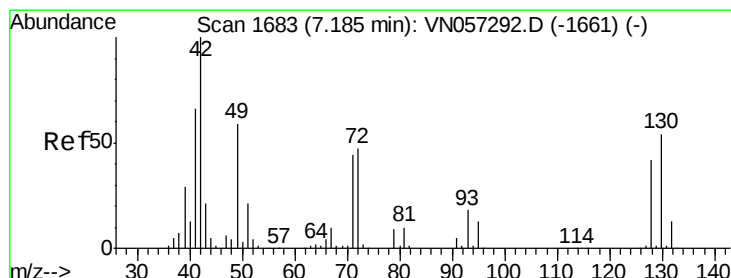
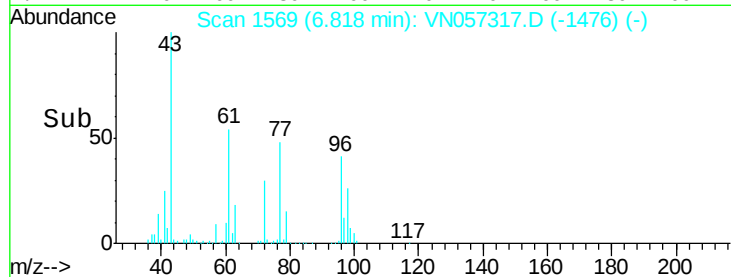
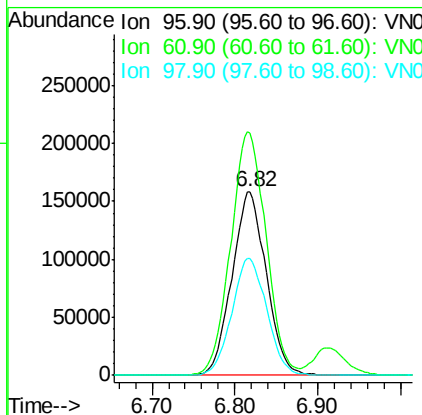
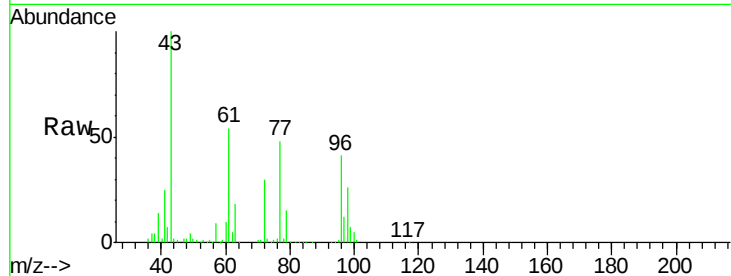
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	455514
Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	272.0
98	64.9	0.0	130.4

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#28

Bromochloromethane

Concen: 49.750 ug/l

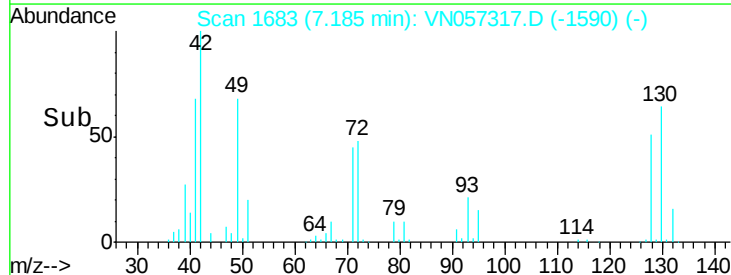
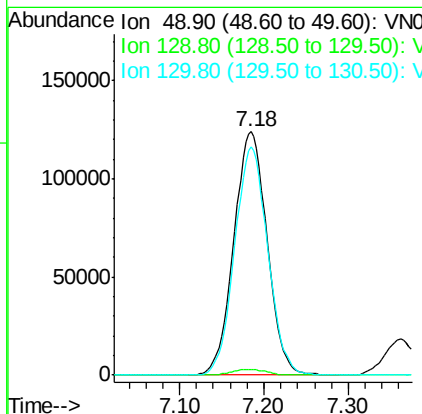
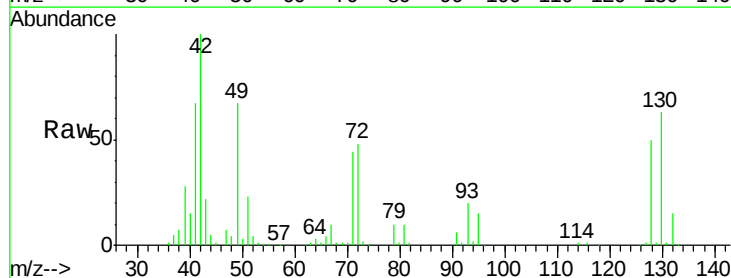
RT: 7.18 min Scan# 1683

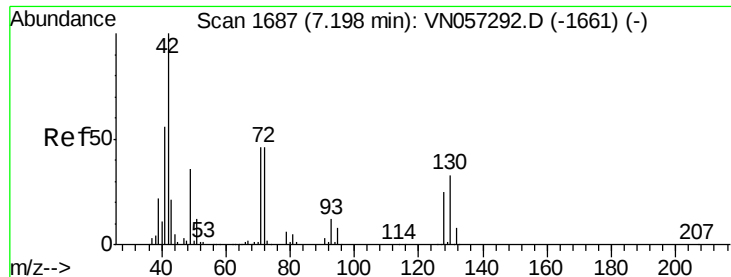
Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Tgt Ion:	49	Resp:	340907
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.0#
130	93.2	73.2	109.8





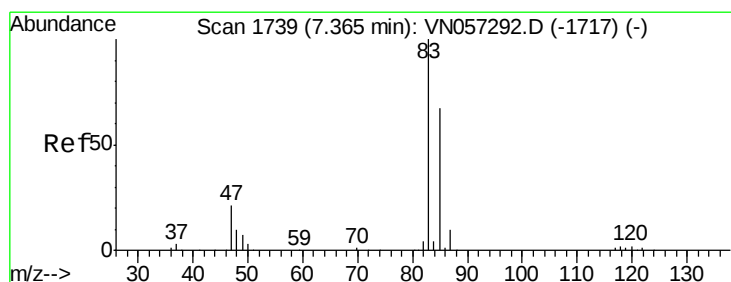
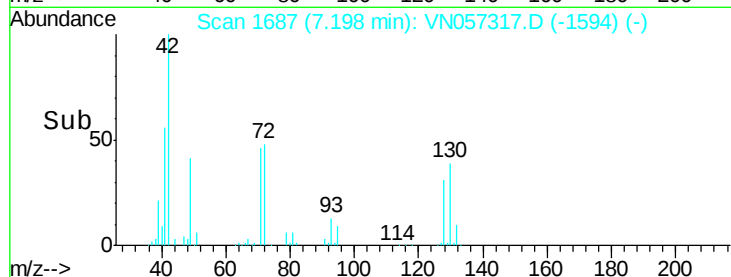
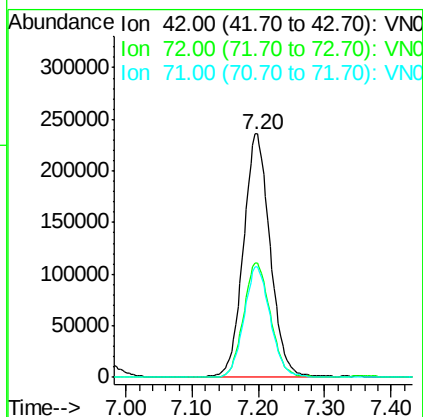
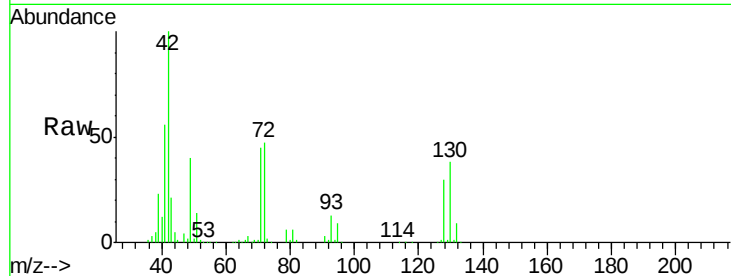
#29
Tetrahydrofuran
Concen: 212.586 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

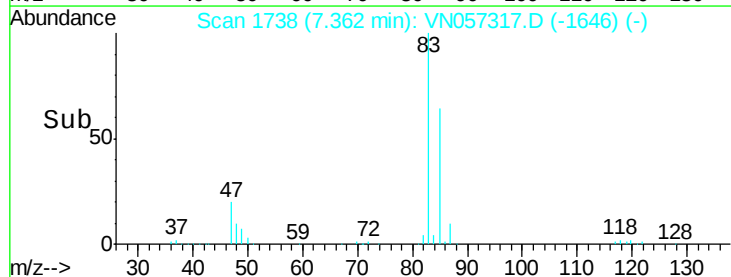
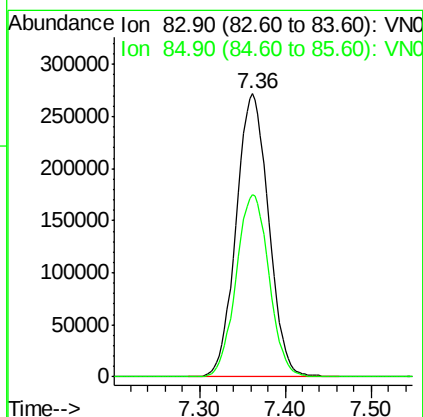
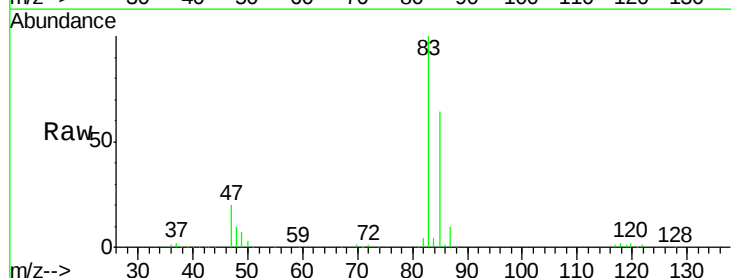
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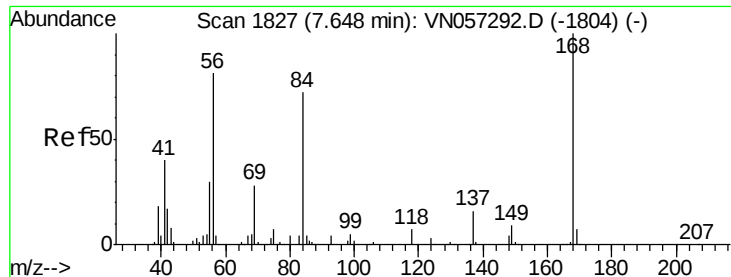
MMDadoda
8/19/2019 1:54:02 AM



#30
Chloroform
Concen: 44.197 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.3	79.9





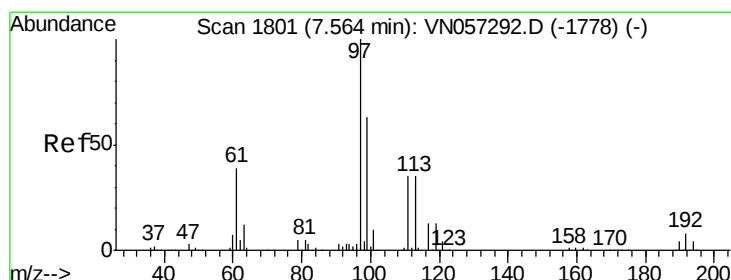
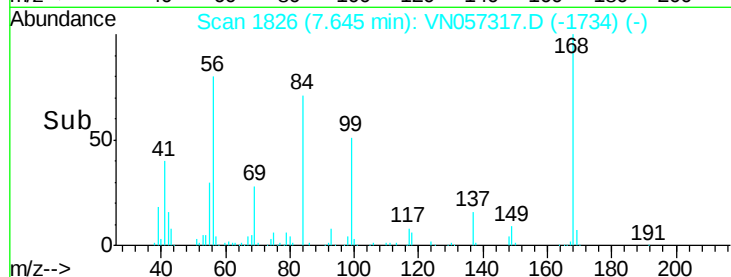
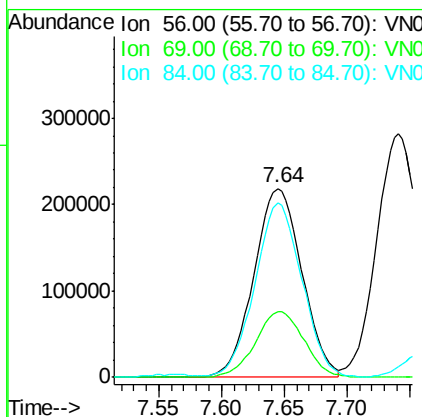
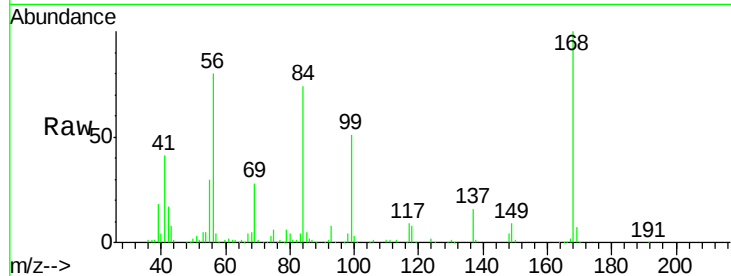
#31
Cyclohexane
Concen: 43.668 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	27.3	40.9
84	91.5	71.0	106.6

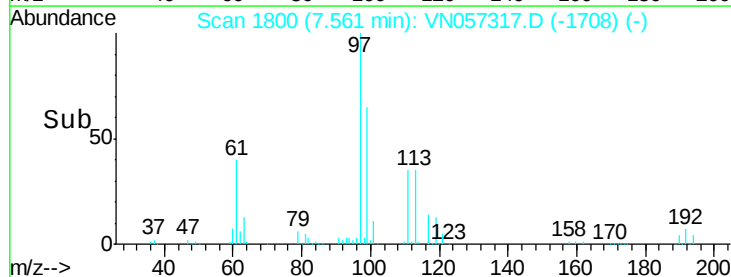
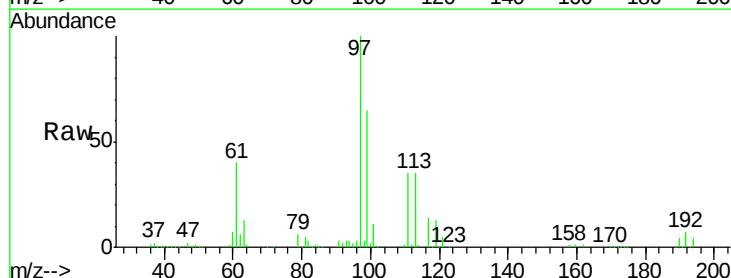
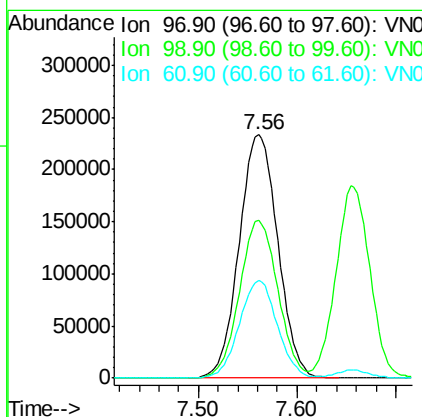
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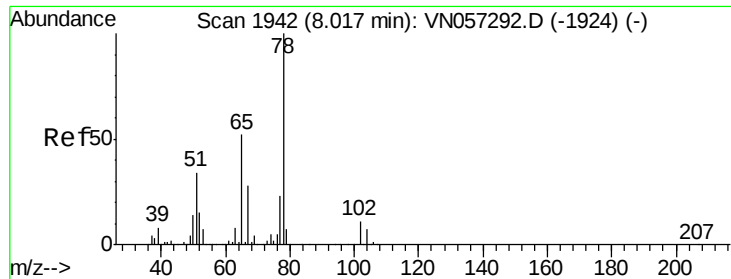
MMDadoda
8/19/2019 1:54:02 AM



#32
1,1,1-Trichloroethane
Concen: 46.582 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.3	75.5
61	39.4	31.3	46.9





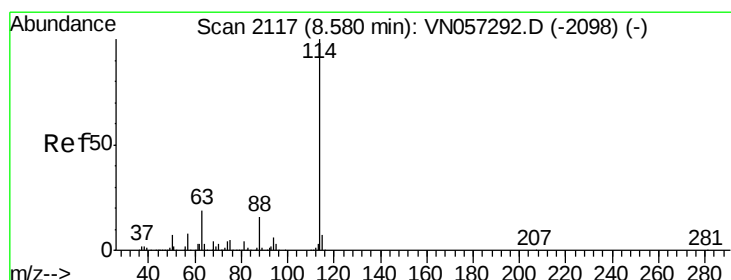
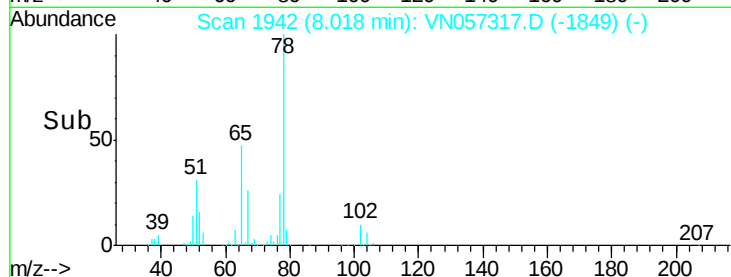
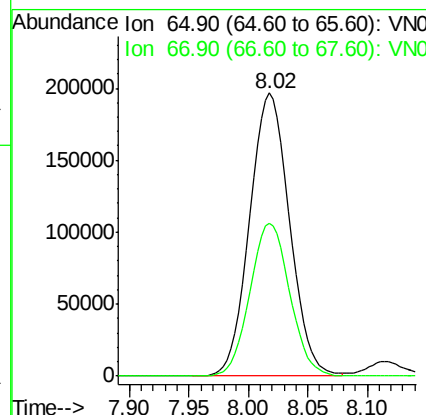
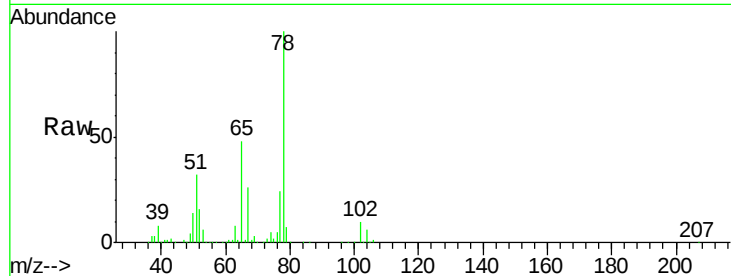
#33
 1,2-Dichloroethane-d4
 Concen: 46.564 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	456728		
67	53.8	0.0	107.4	

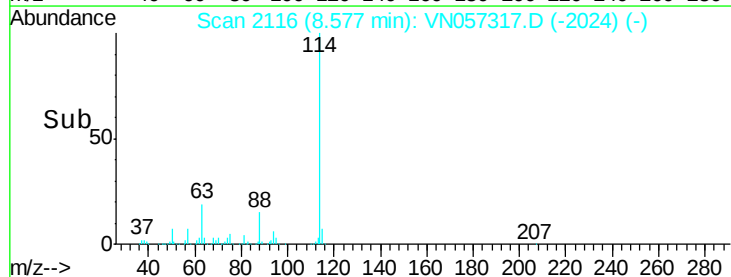
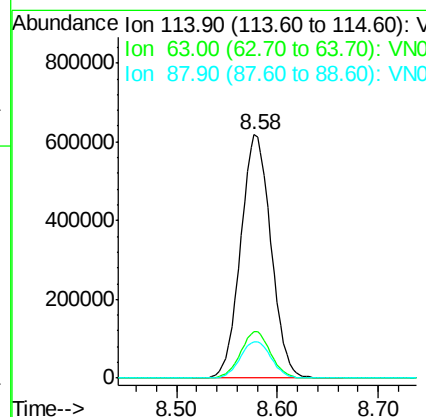
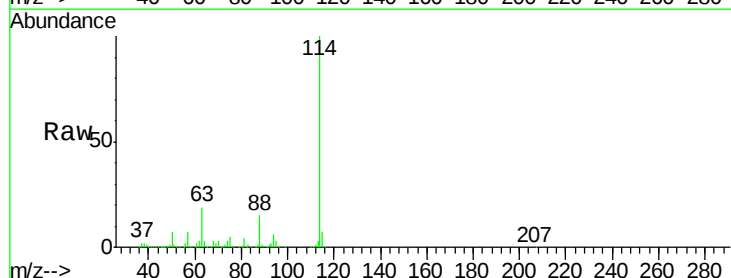
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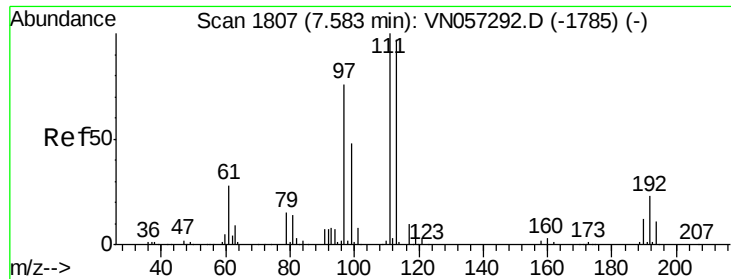
MMdadoda
 8/19/2019 1:54:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1286336		
63	19.0	0.0	38.8	
88	15.1	0.0	31.4	





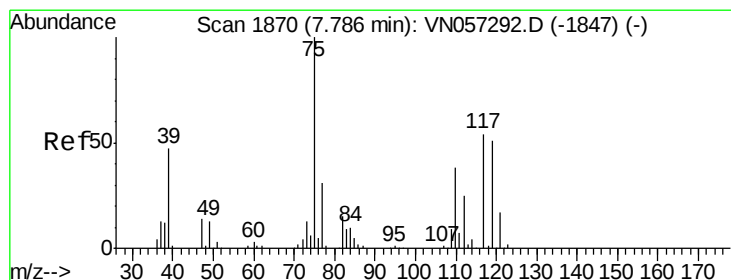
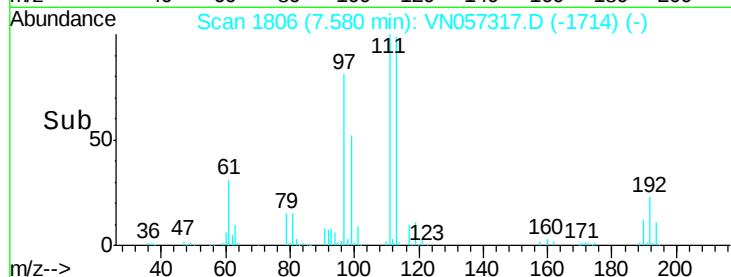
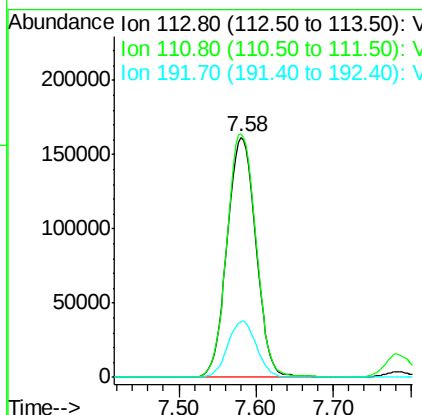
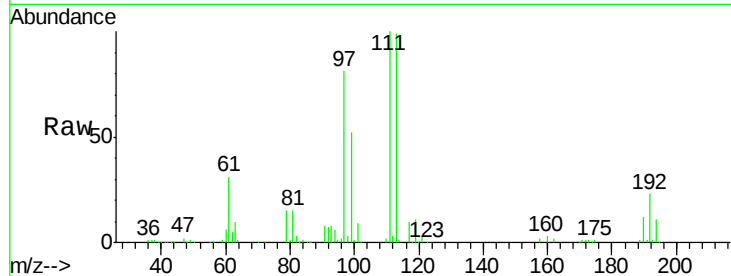
#35
 Dibromofluoromethane
 Concen: 49.406 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	416599		
111	102.3	82.1	123.1	
192	23.3	19.3	28.9	

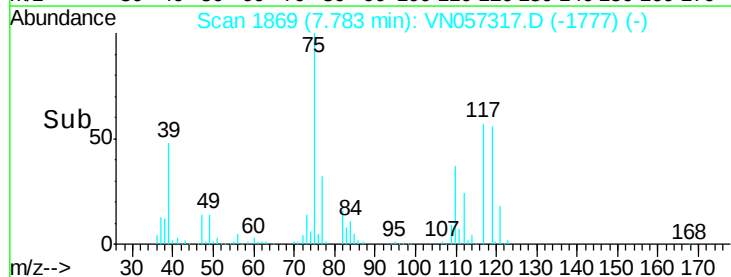
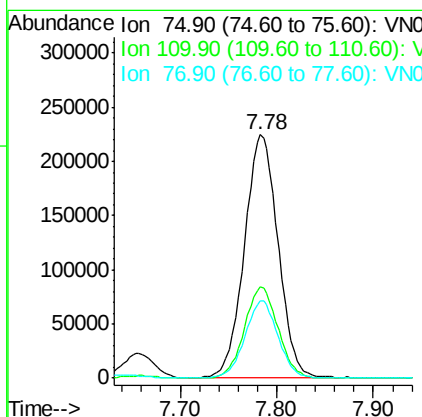
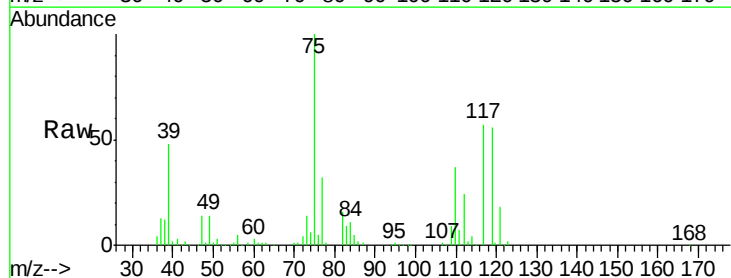
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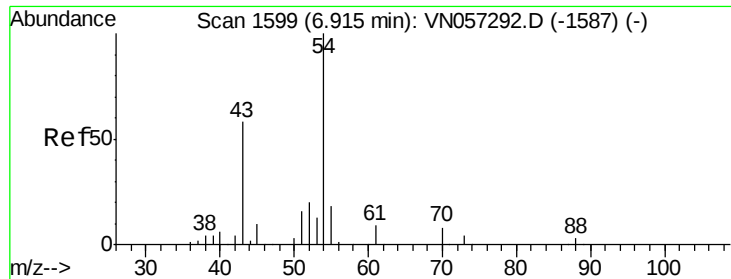
MMdadoda
 8/19/2019 1:54:02 AM



#36
 1,1-Dichloropropene
 Concen: 47.669 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	541400		
110	37.4	19.5	58.5	
77	31.3	25.0	37.6	





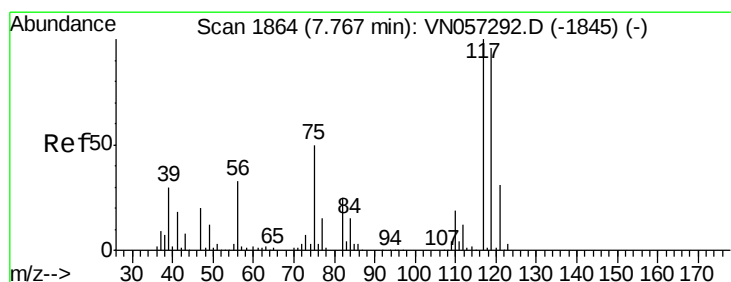
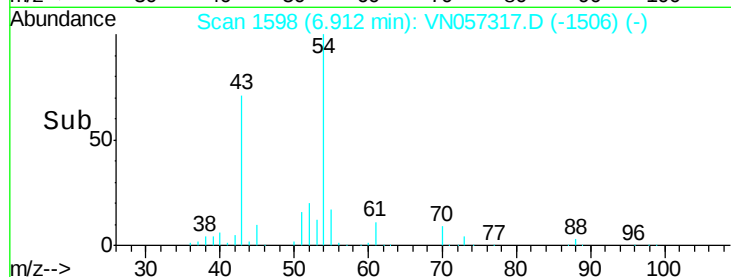
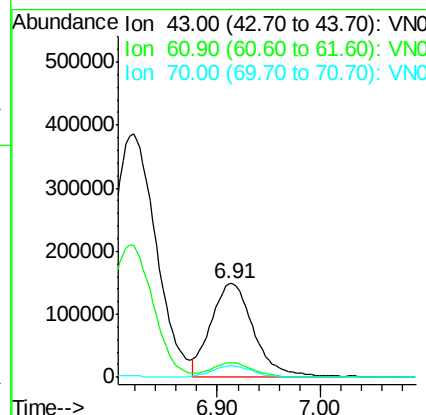
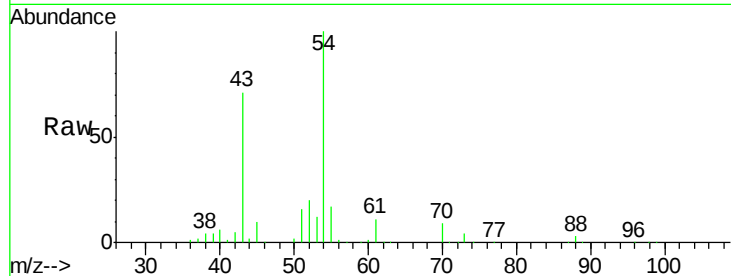
#37
Ethyl Acetate
Concen: 45.278 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.0	18.0
70	12.0	9.2	13.8

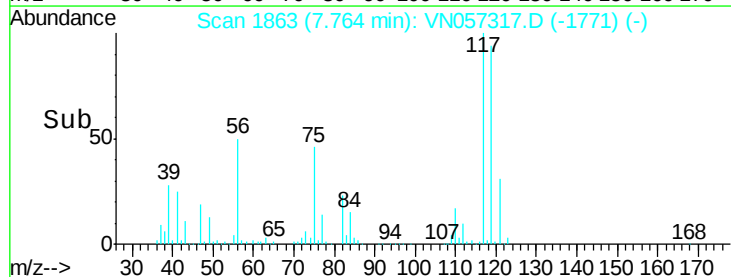
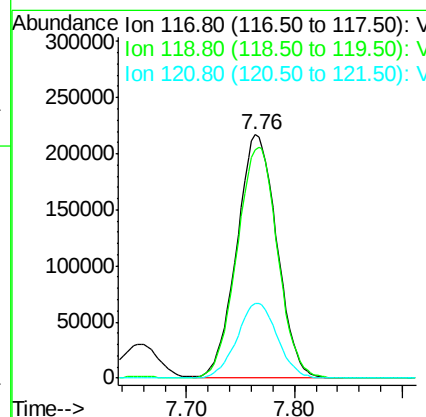
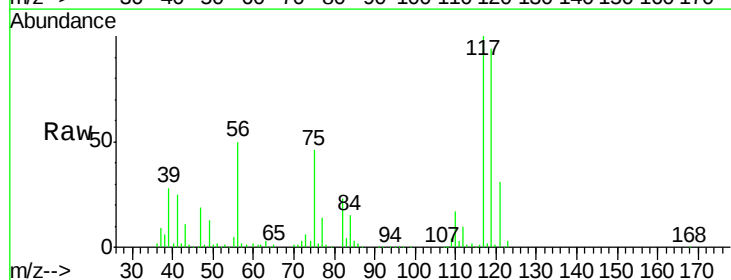
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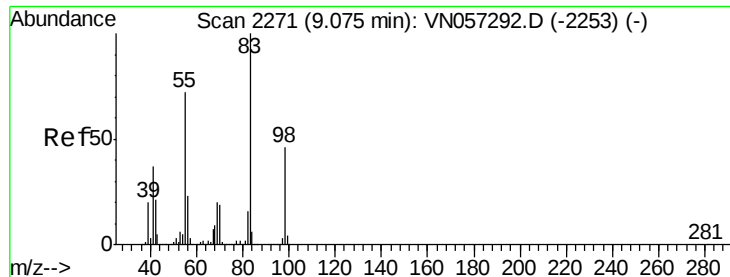
MMdadoda
8/19/2019 1:54:02 AM



#38
Carbon Tetrachloride
Concen: 47.388 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.8	115.2
121	30.8	25.0	37.4





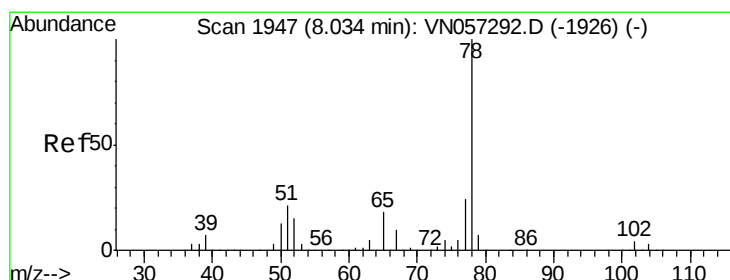
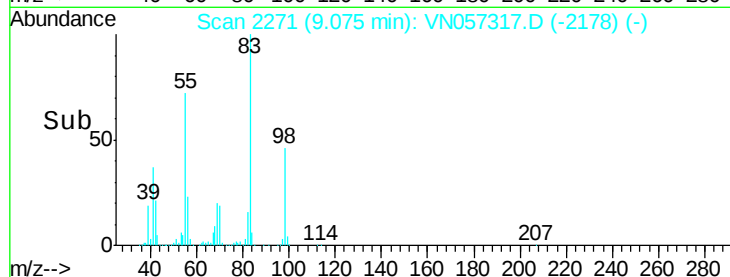
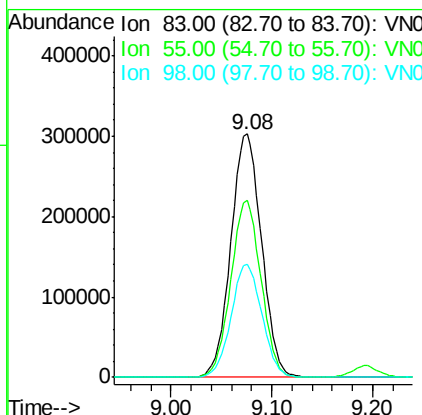
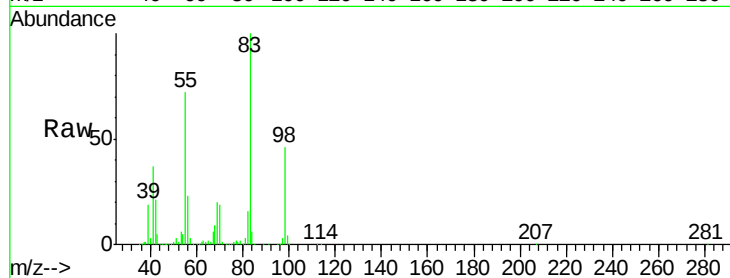
#39
Methvlcvclohexane
Concen: 48.342 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	57.5	86.3
98	46.4	36.6	55.0

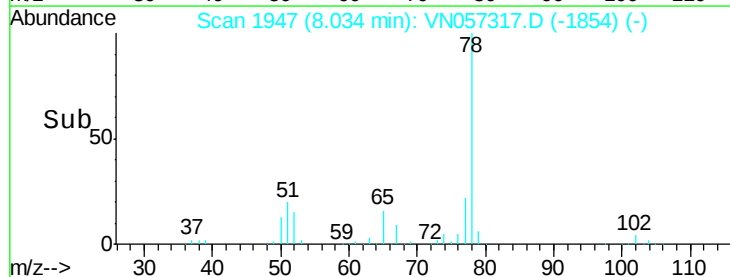
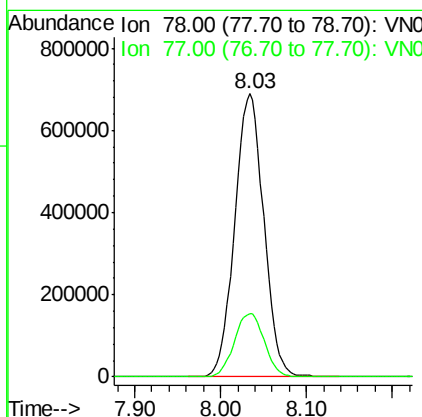
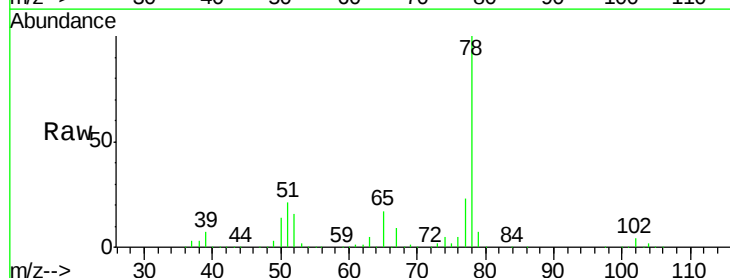
Manual Integrations
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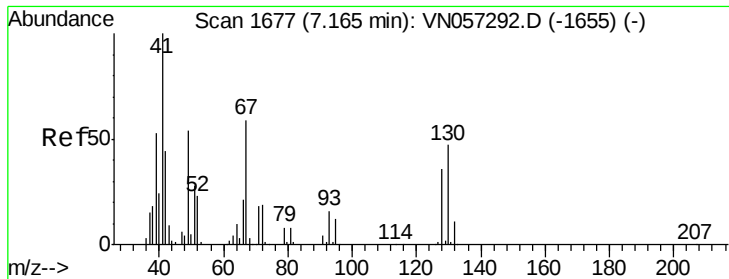
MMdadoda
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#40
Benzene
Concen: 46.517 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7





#41

Methacrylonitrile

Concen: 51.710 ug/l m

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 216619

Ion Ratio Lower Upper

41 100

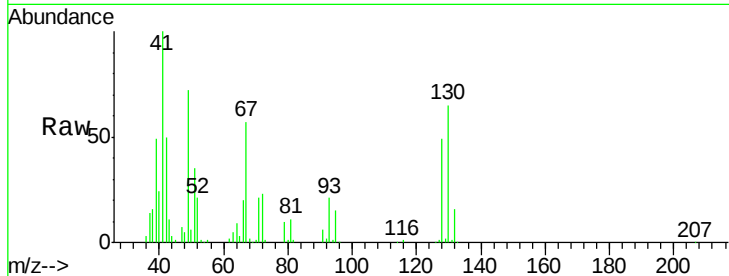
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda
8/19/2019 1:54:02 AM

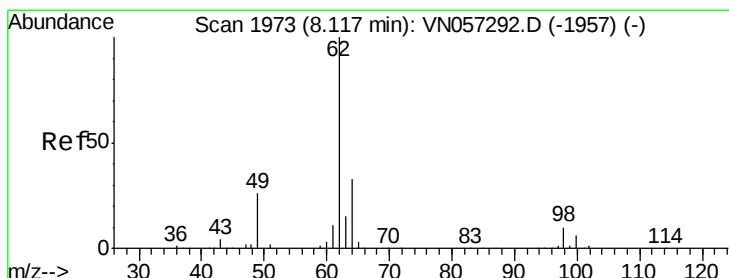
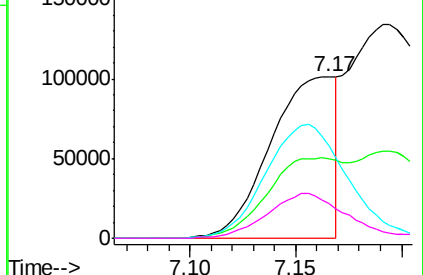
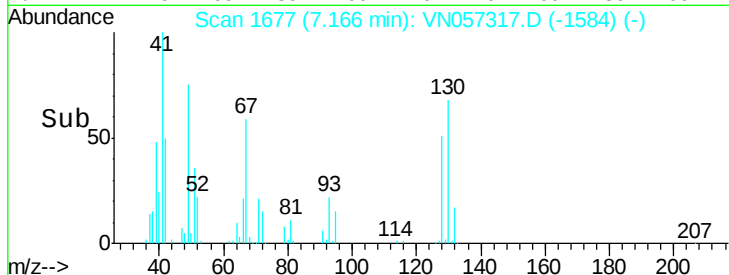


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 46.144 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VN057317.D

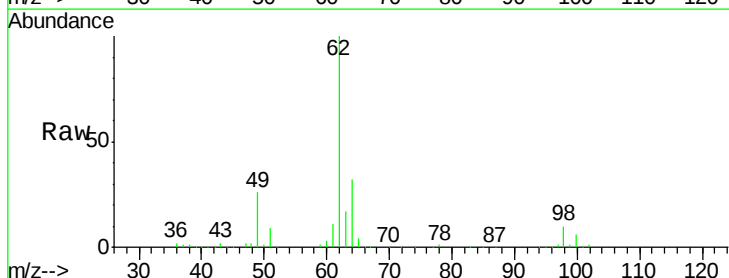
Acq: 15 Aug 2019 9:16

Tgt Ion: 62 Resp: 530529

Ion Ratio Lower Upper

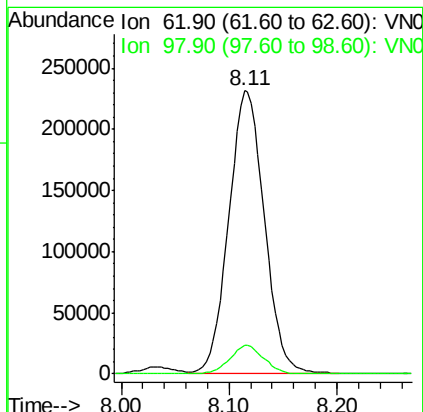
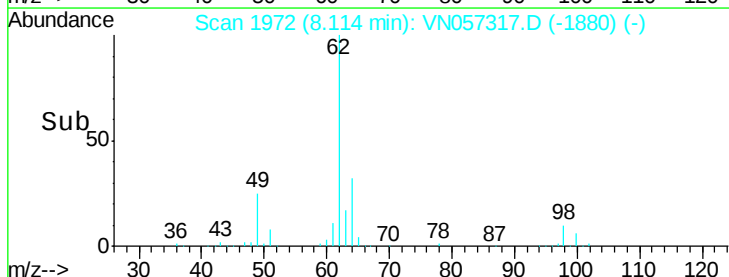
62 100

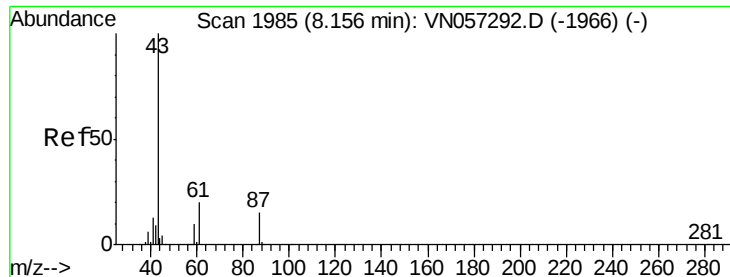
98 9.6 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

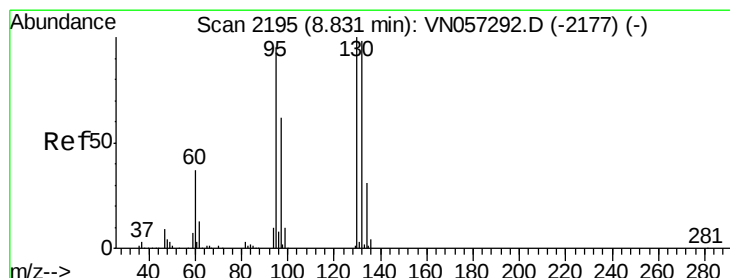
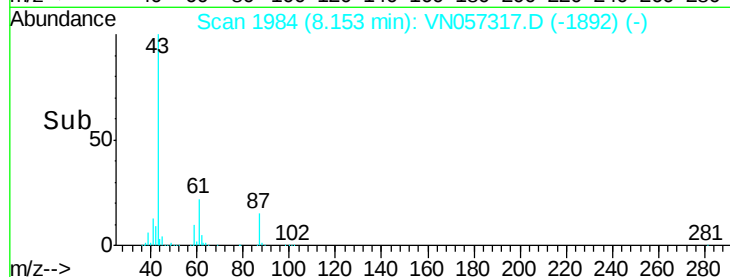
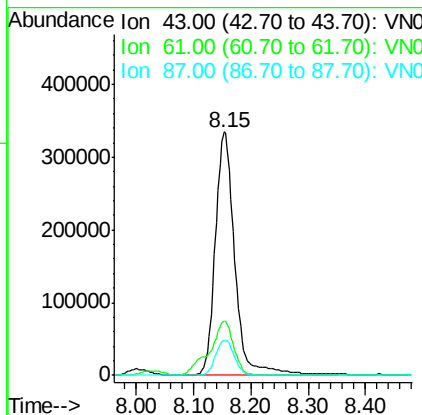
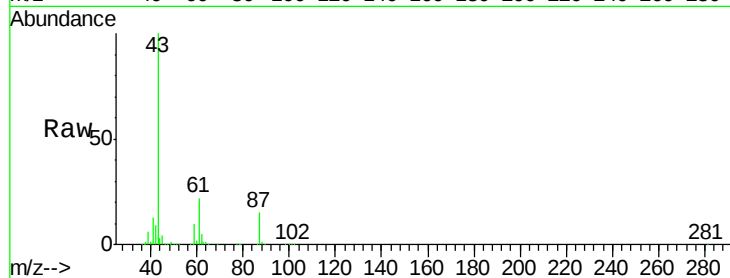
Isopropyl Acetate
 Concen: 45.967 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. -0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.6	32.4
87	13.8	11.4	17.0

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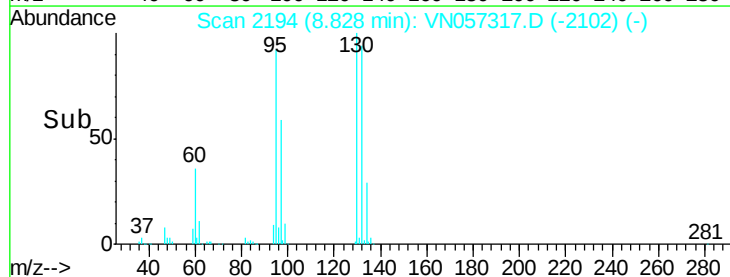
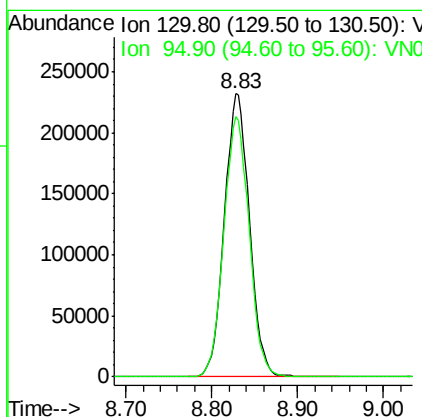
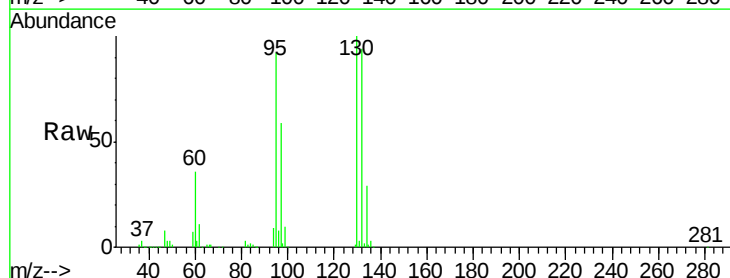
MMDadoda
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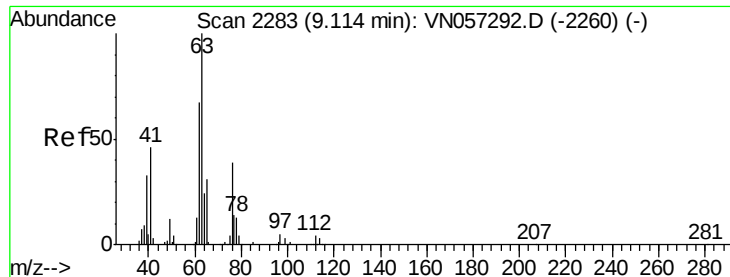


#44

Trichloroethene
 Concen: 48.216 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	189.2





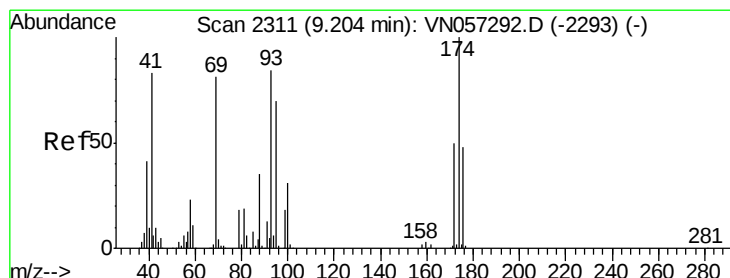
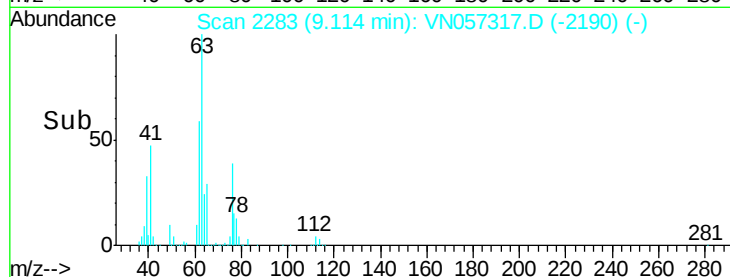
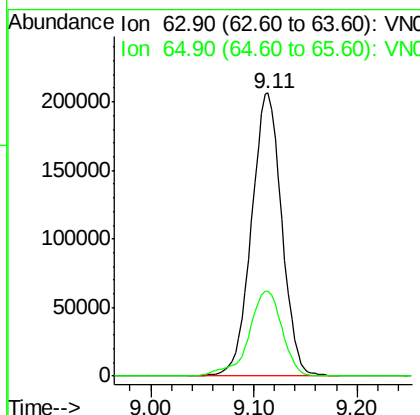
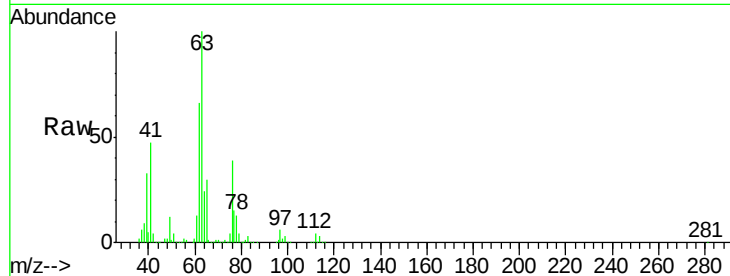
#45
 1,2-Dichloropropane
 Concen: 46.912 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.8	37.2

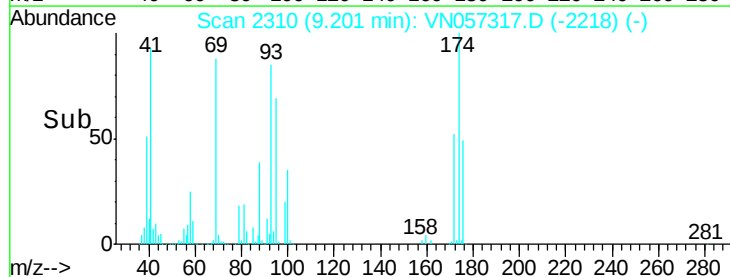
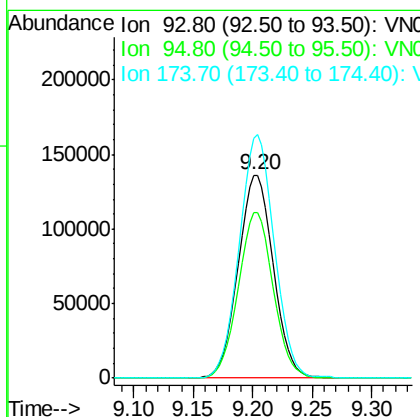
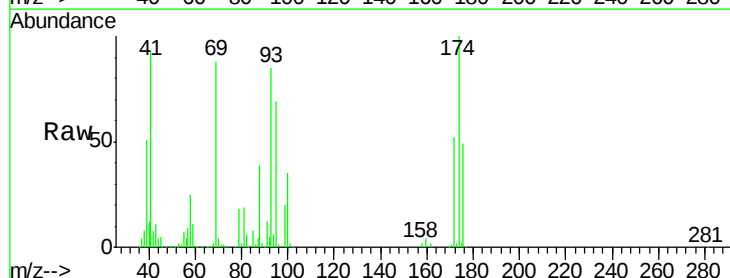
Manual Integrations
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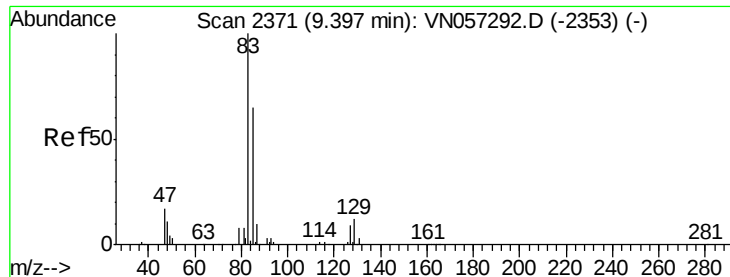
MMdadoda
 8/19/2019 1:54:02 AM



#46
 Dibromomethane
 Concen: 46.698 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	66.5	99.7
174	119.5	95.7	143.5





#47

Bromodichloromethane

Concen: 47.407 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

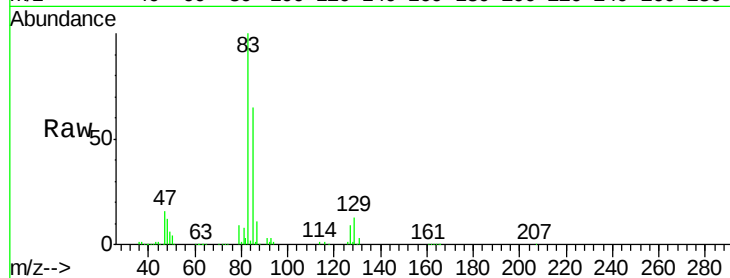
ClientSampleId :

VSTDCCC050

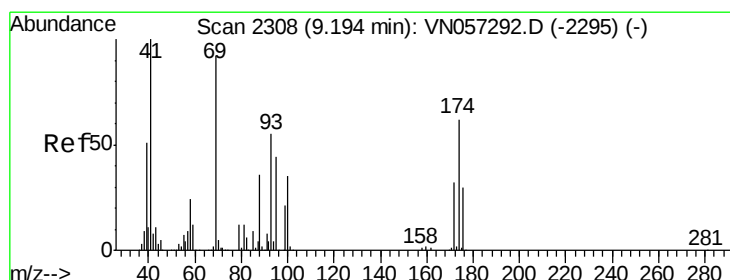
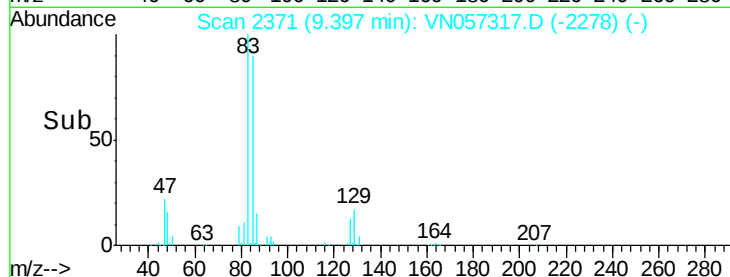
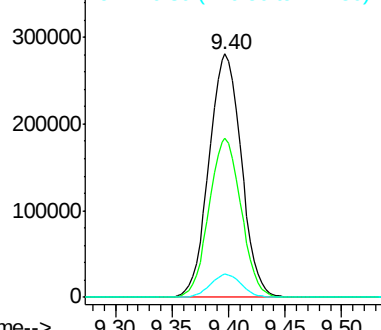
Tot Ion:	83	Resp:	561084
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.9	77.9
127	9.4	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057317.D (-2278) (-)



#48

Methyl methacrylate

Concen: 44.680 ug/l

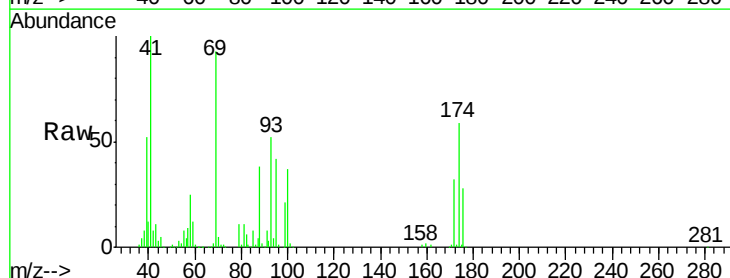
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

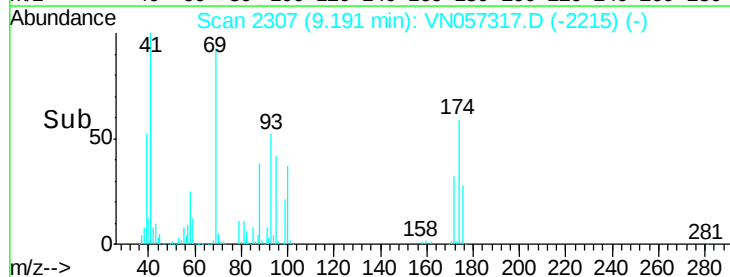
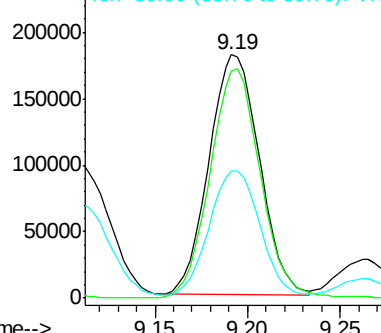
Lab File: VN057317.D

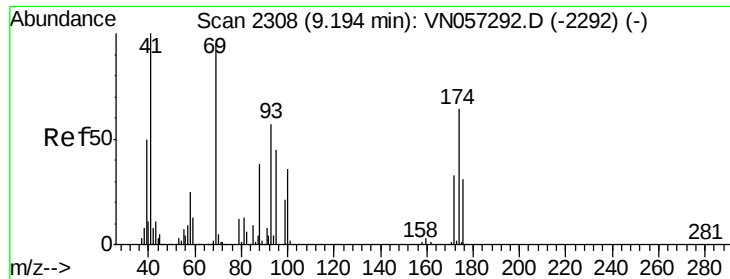
Acq: 15 Aug 2019 9:16

Tgt Ion:	41	Resp:	342260
Ion Ratio	Lower	Upper	
41	100		
69	95.8	75.9	113.9
39	54.0	42.3	63.5



Abundance Ion 41.00 (40.70 to 41.70): VN057317.D (-2215) (-)





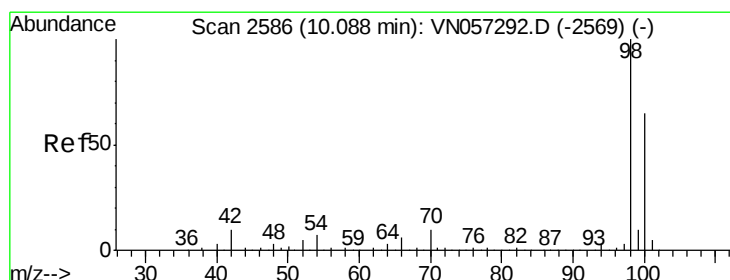
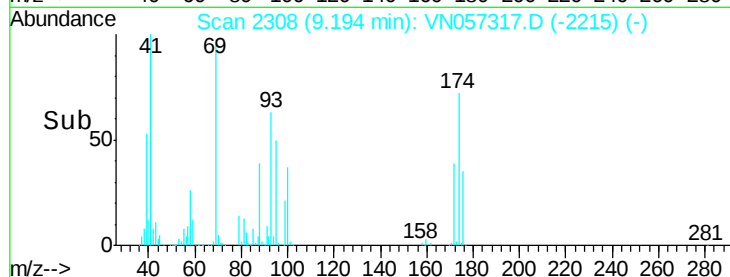
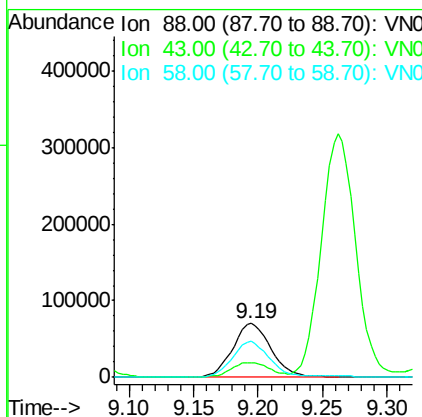
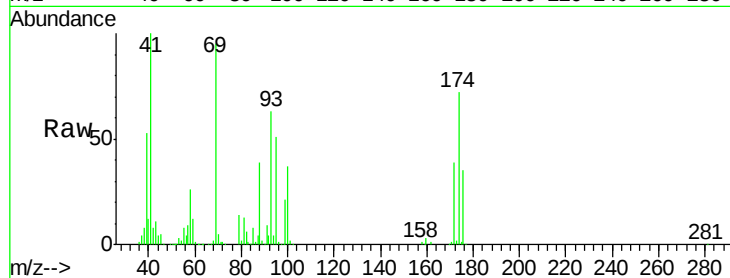
#49
1,4-Dioxane
Concen: 905.382 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.9	22.9	34.3
58	64.7	52.7	79.1

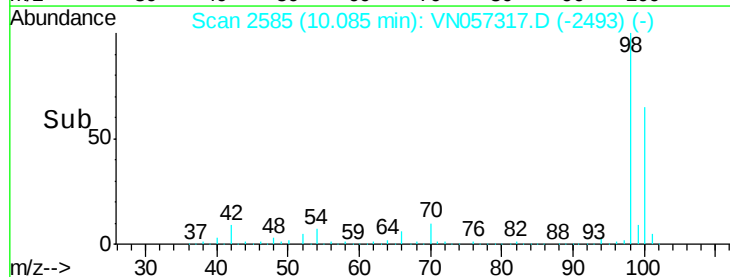
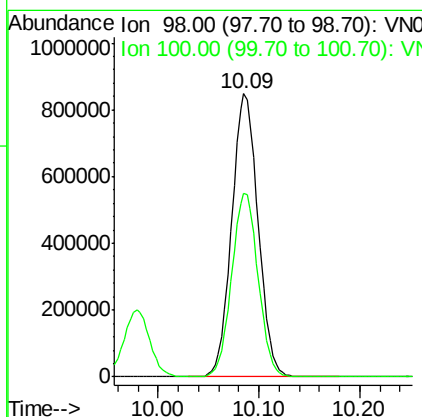
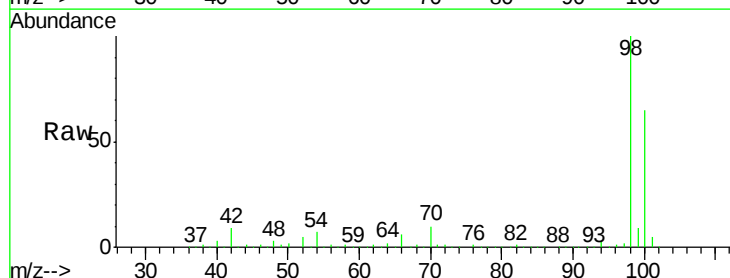
Manual Integrations
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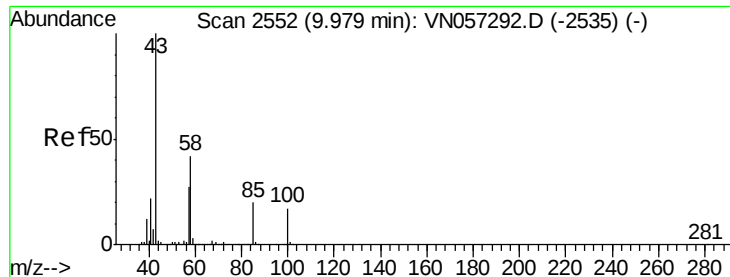
MMdadoda
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#50
Toluene-d8
Concen: 50.020 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 217.857 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2090706

Ion Ratio Lower Upper

43 100

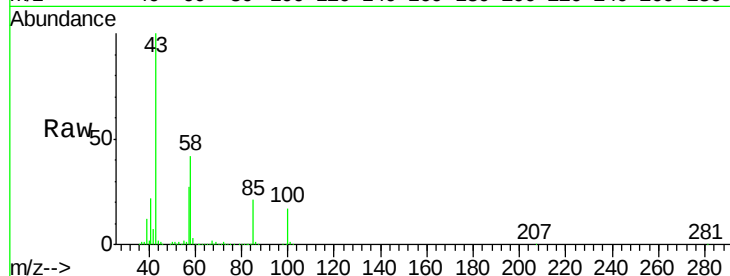
58 41.6 33.2 49.8

Manual Integrations

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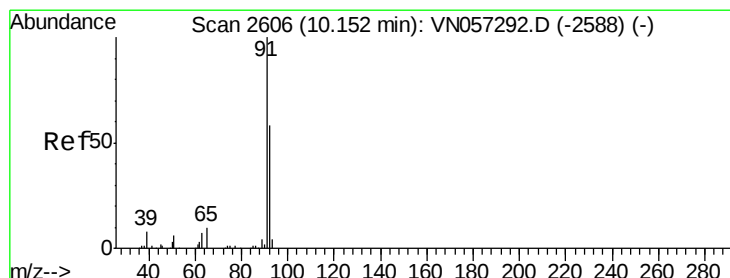
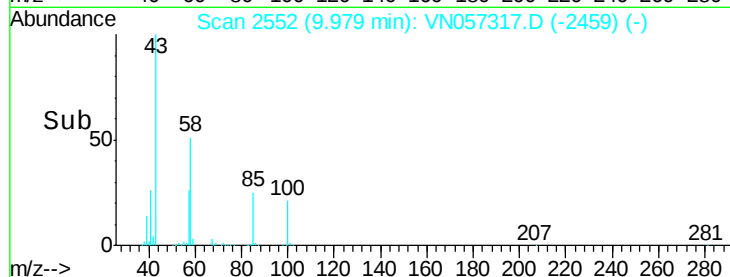
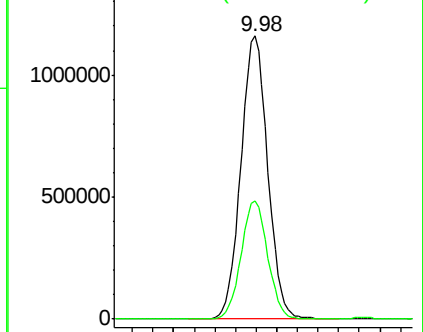
MMdadoda

8/19/2019 1:54:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.346 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057317.D

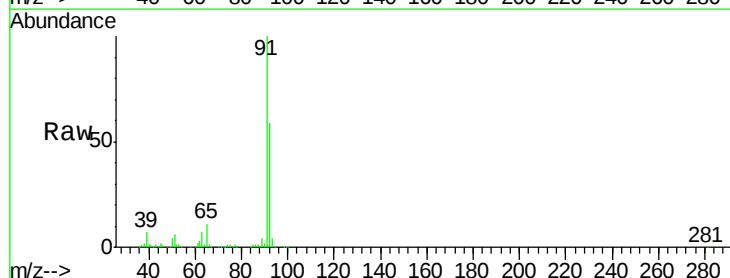
Acq: 15 Aug 2019 9:16

Tgt Ion: 92 Resp: 1023717

Ion Ratio Lower Upper

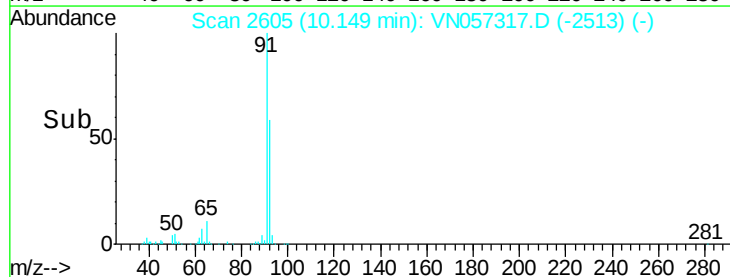
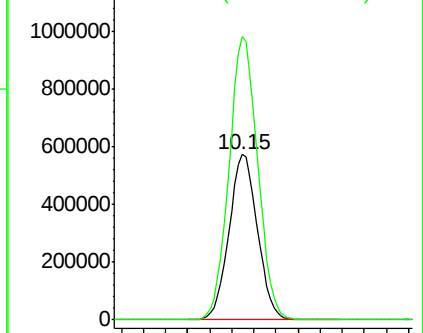
92 100

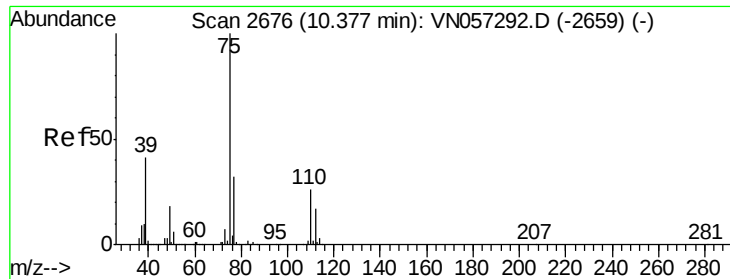
91 173.2 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 47.050 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 602342

Ion Ratio Lower Upper

75 100

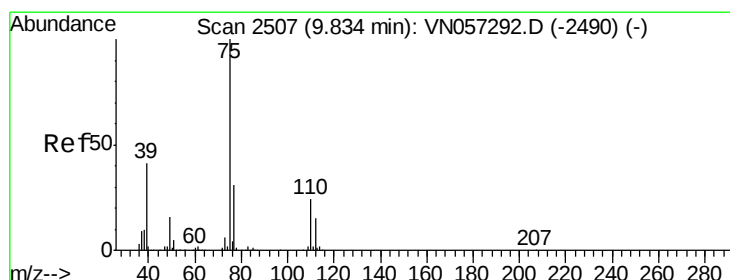
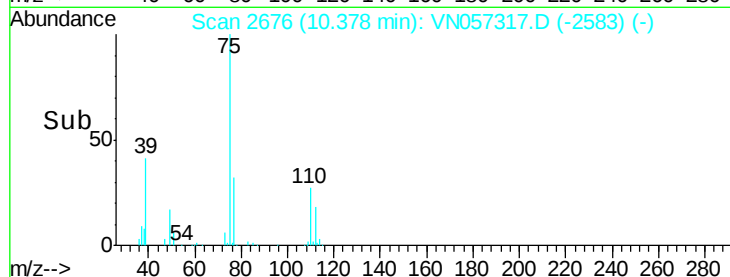
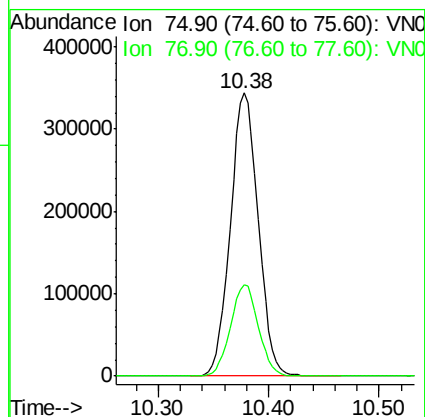
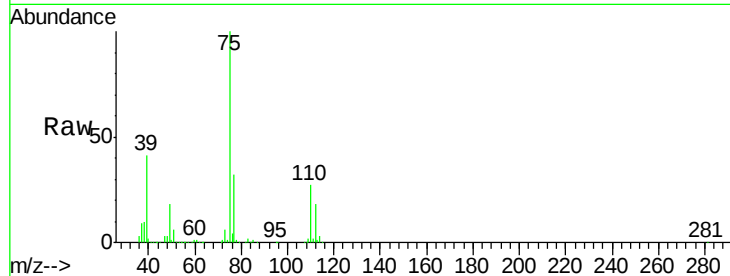
77 32.3 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 48.246 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

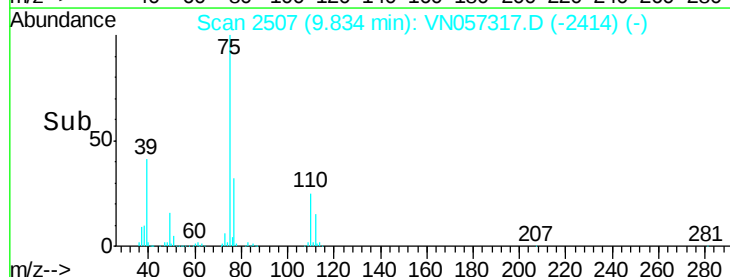
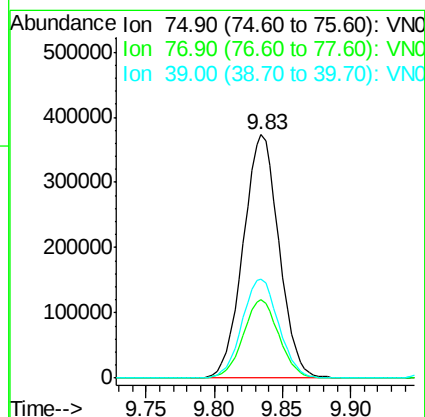
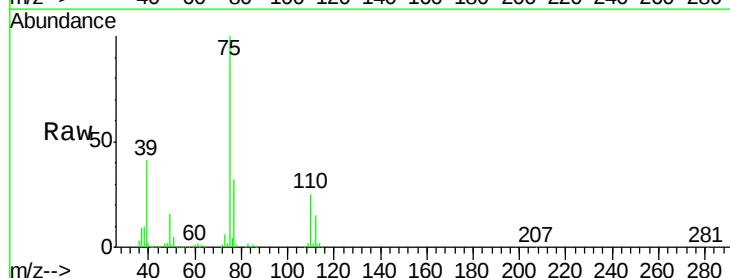
Tgt Ion: 75 Resp: 681094

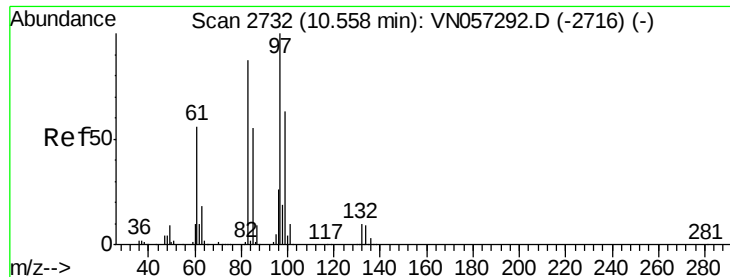
Ion Ratio Lower Upper

75 100

77 32.2 24.9 37.3

39 40.9 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 46.475 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

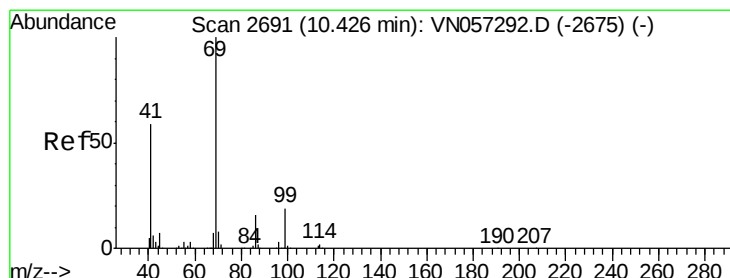
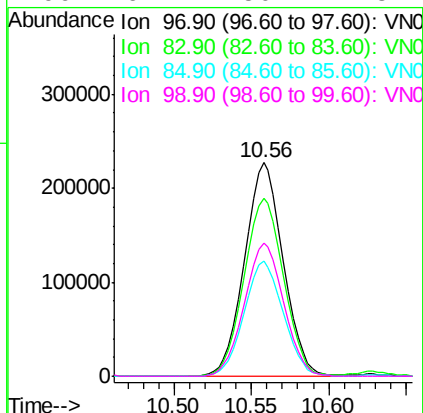
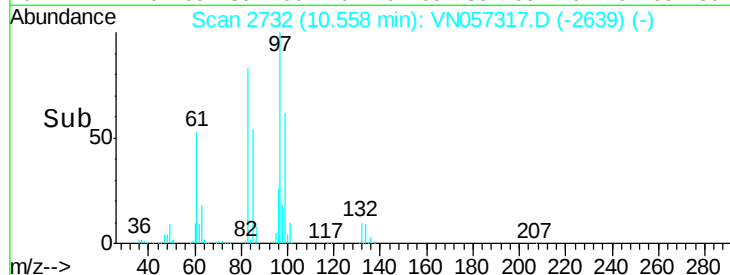
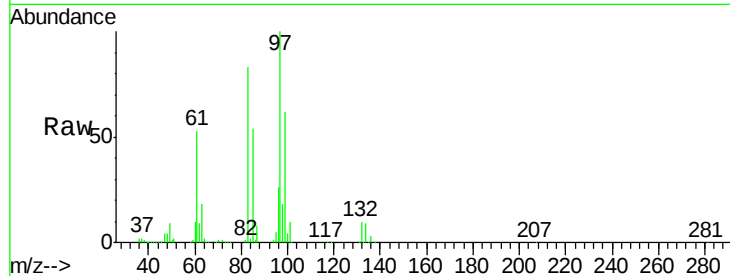
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	395138
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.8	104.8
85	53.9	44.1	66.1
99	62.4	50.2	75.2

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#56

Ethyl methacrylate

Concen: 47.036 ug/l

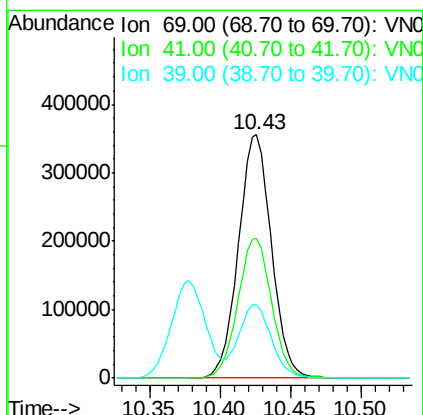
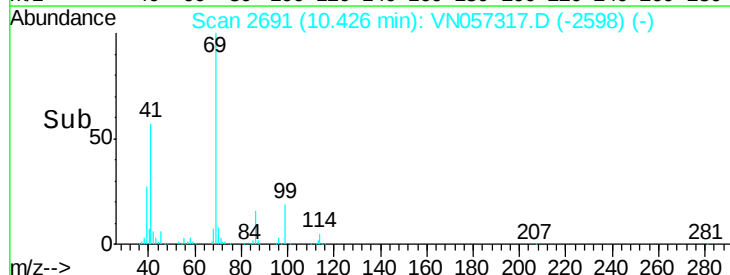
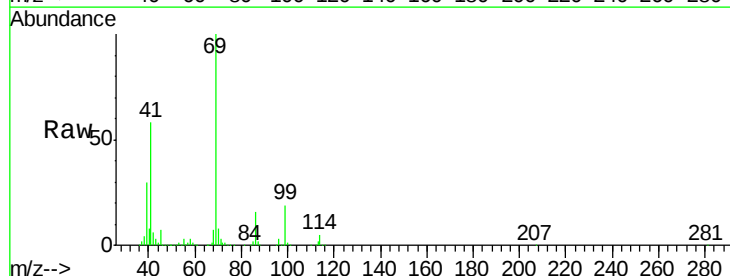
RT: 10.43 min Scan# 2691

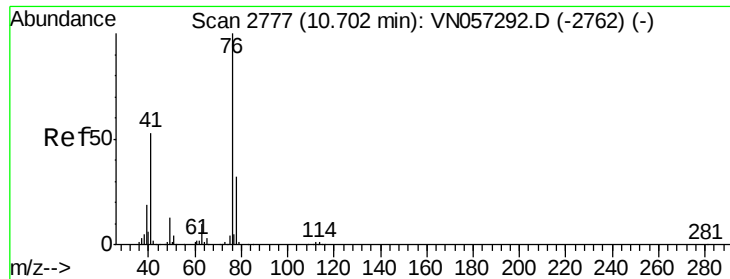
Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Tgt Ion:	69	Resp:	583607
Ion	Ratio	Lower	Upper
69	100		
41	58.4	48.2	72.2
39	29.5	23.4	35.0





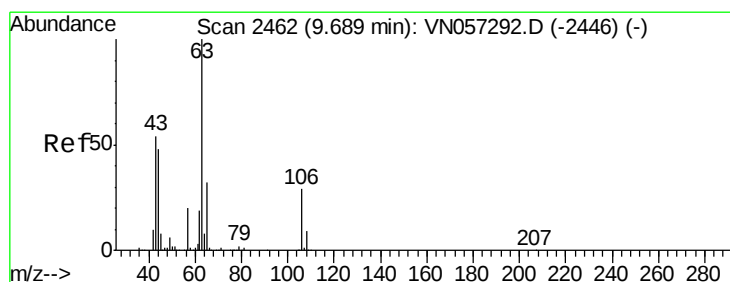
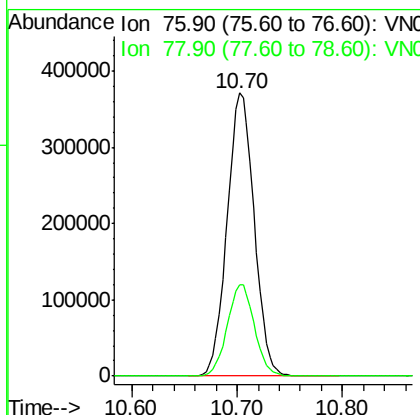
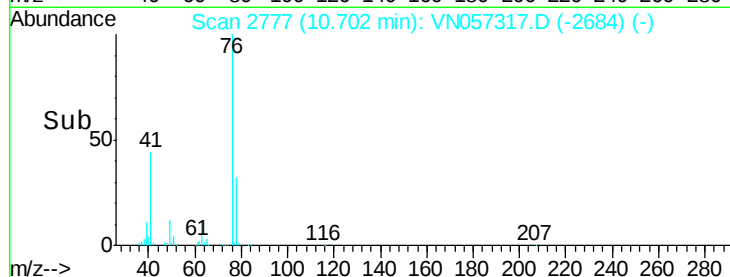
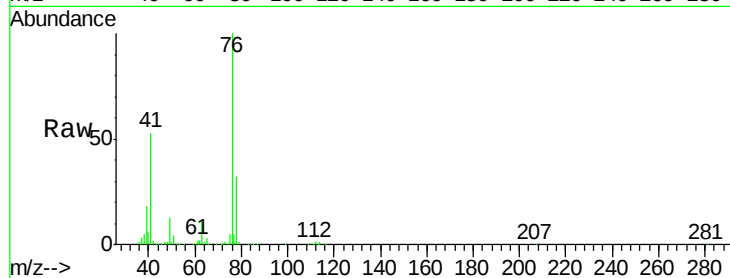
#57
 1,3-Dichloropropane
 Concen: 46.305 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.6	38.4

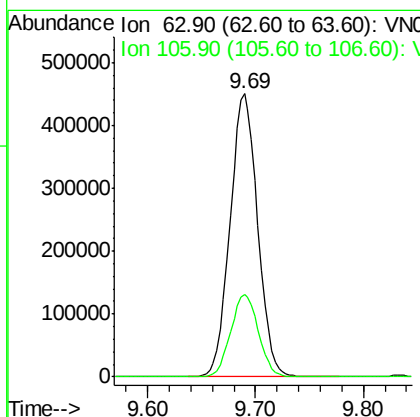
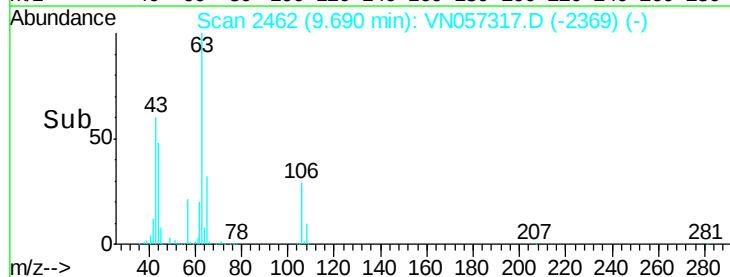
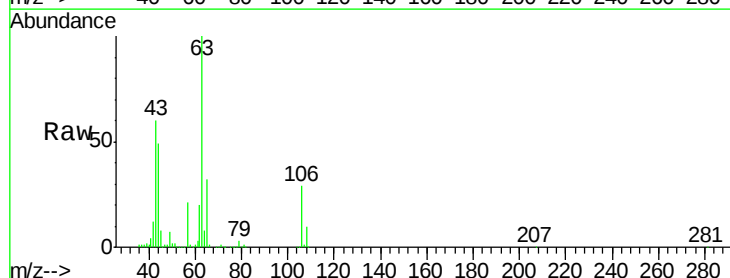
Manual Integrations
 APPROVED

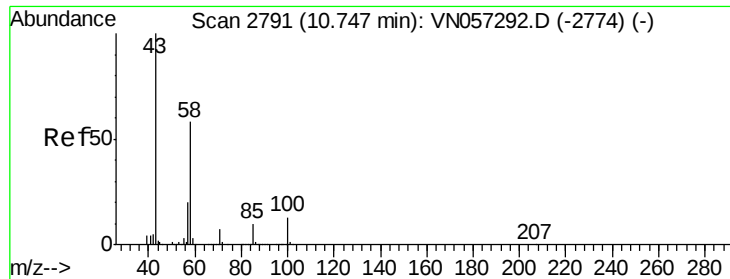
MMDadoda
 8/19/2019 1:54:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 220.291 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.2	34.8





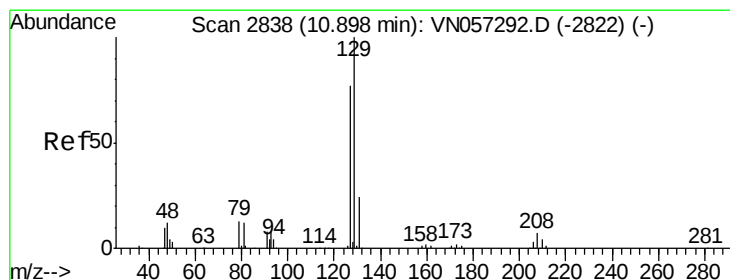
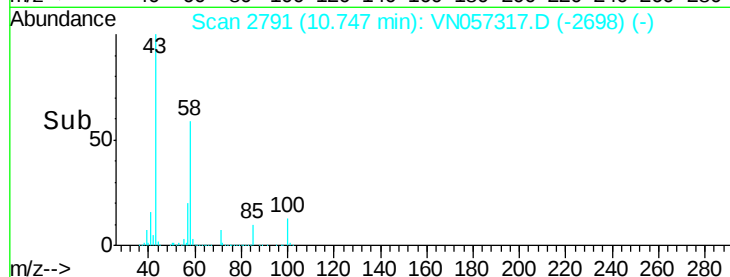
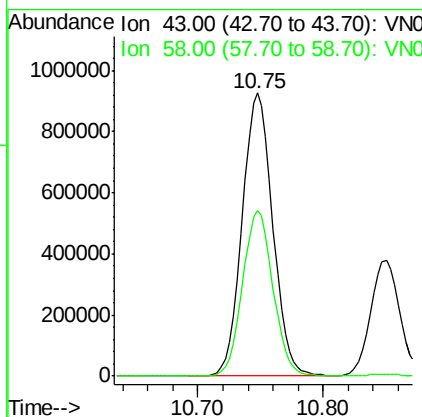
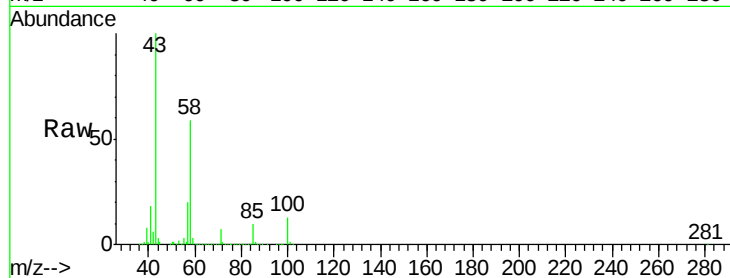
#59
2-Hexanone
Concen: 227.247 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1567842
Ion Ratio Lower Upper
43 100
58 58.3 28.6 85.9

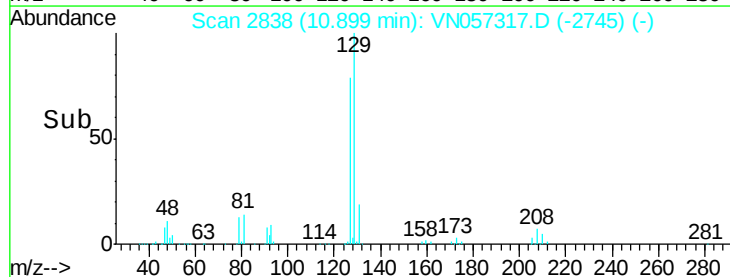
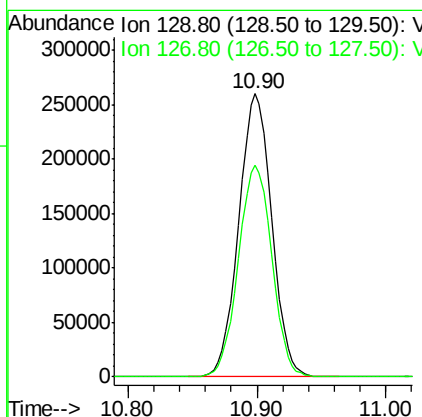
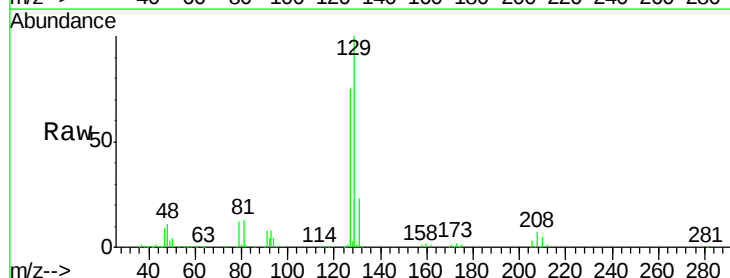
Manual Integrations
APPROVED

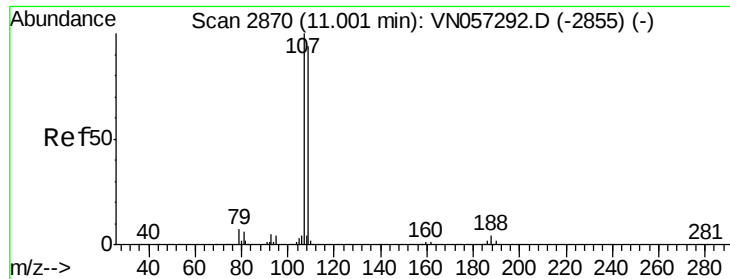
MMdadoda
8/19/2019 1:54:02 AM



#60
Dibromochloromethane
Concen: 48.587 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion: 129 Resp: 462929
Ion Ratio Lower Upper
129 100
127 76.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 46.218 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 418603

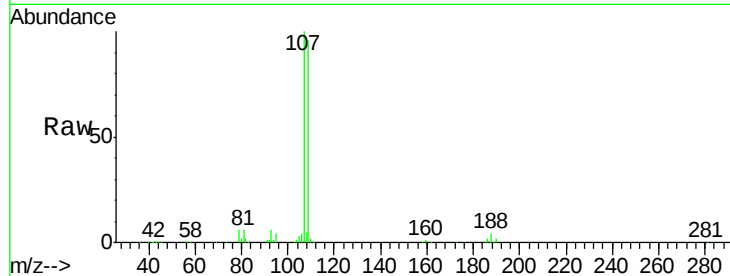
Ion Ratio Lower Upper

107 100

109 95.2 75.7 113.5

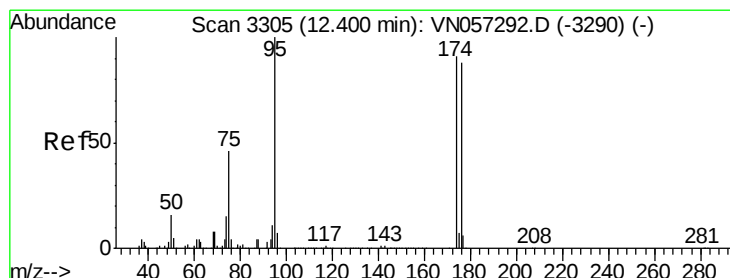
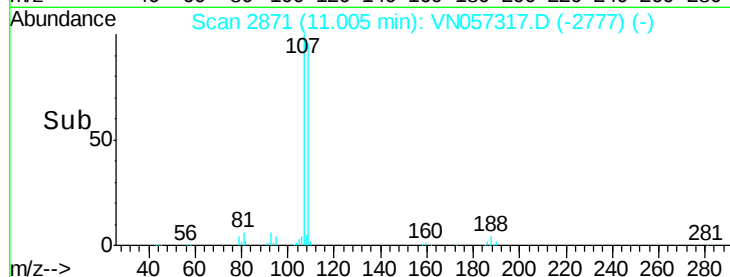
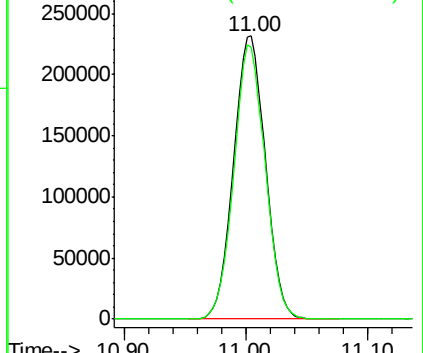
Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:54:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.480 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

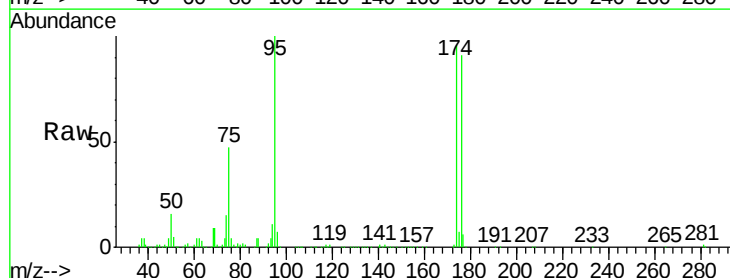
Tgt Ion: 95 Resp: 528388

Ion Ratio Lower Upper

95 100

174 94.6 0.0 185.0

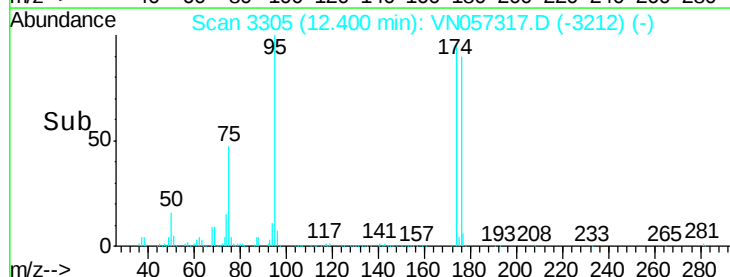
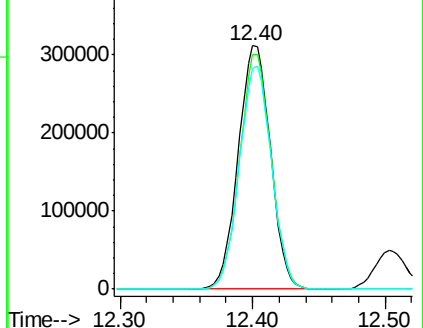
176 91.3 0.0 181.0

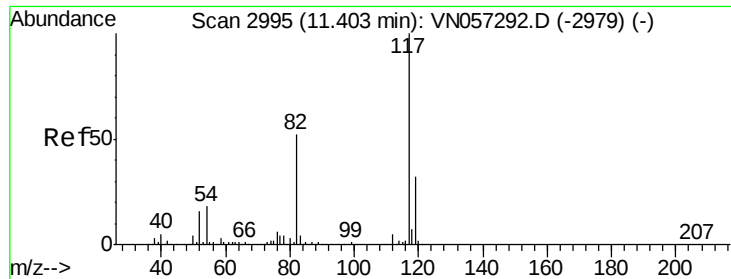


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





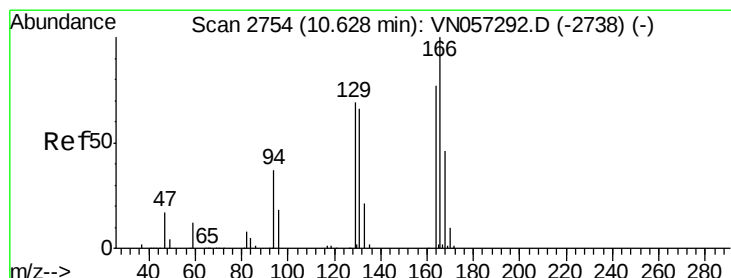
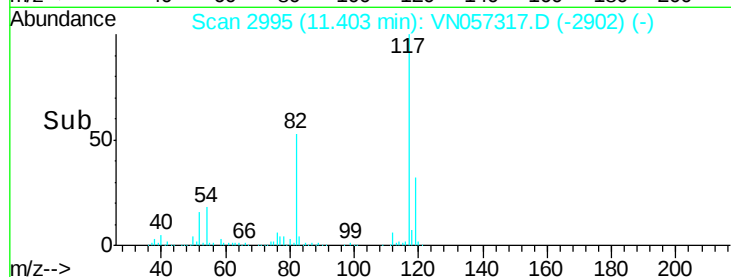
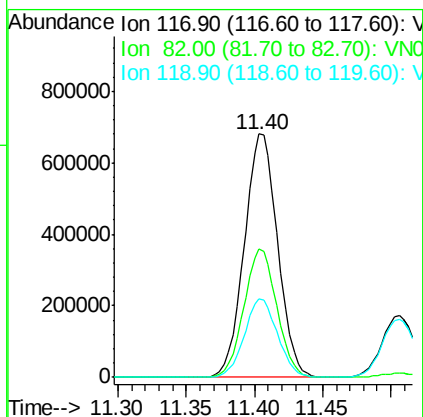
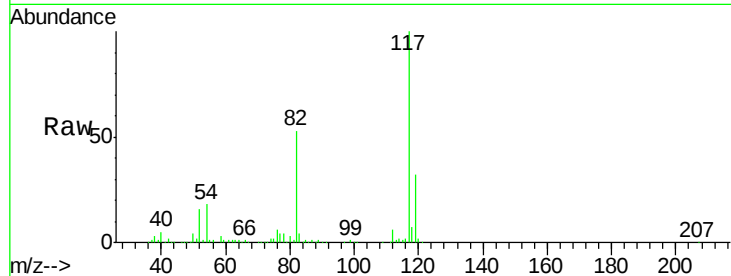
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.2	61.8
119	32.4	25.8	38.8

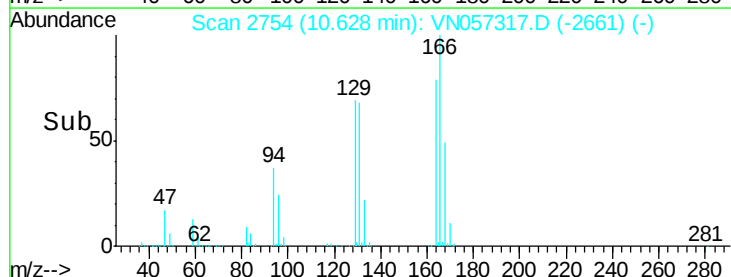
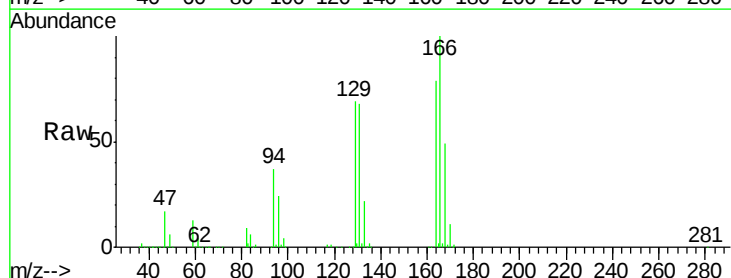
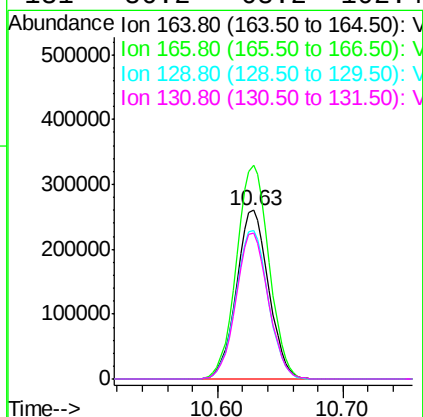
Manual Integrations
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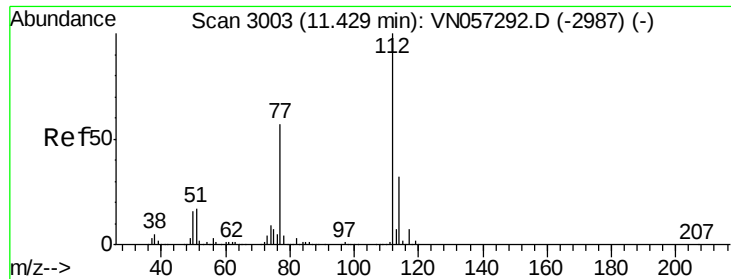
MMdadoda
8/19/2019 1:54:02 AM



#64
Tetrachloroethene
Concen: 46.432 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.5	155.3
129	87.9	71.2	106.8
131	86.2	68.2	102.4





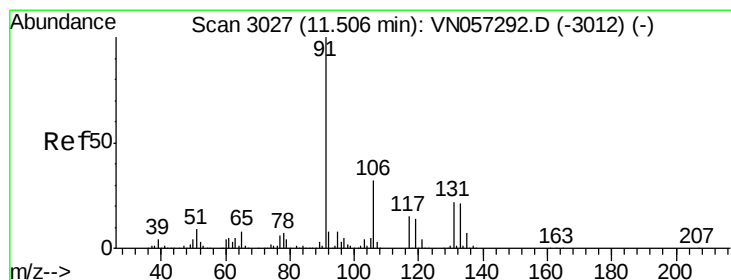
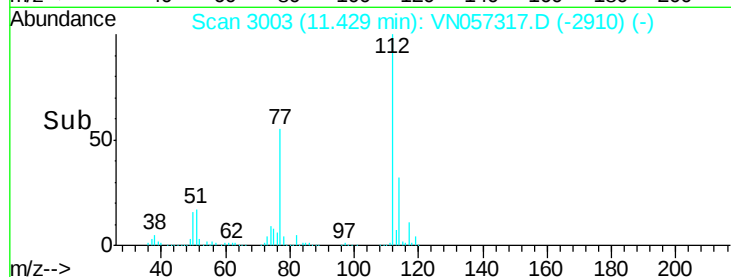
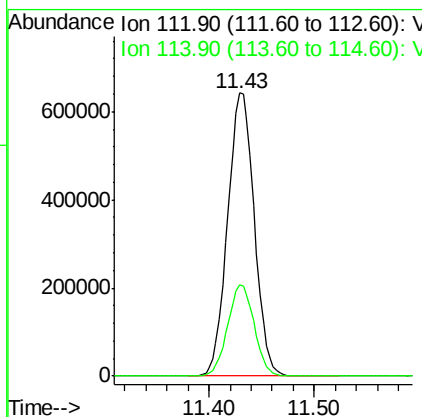
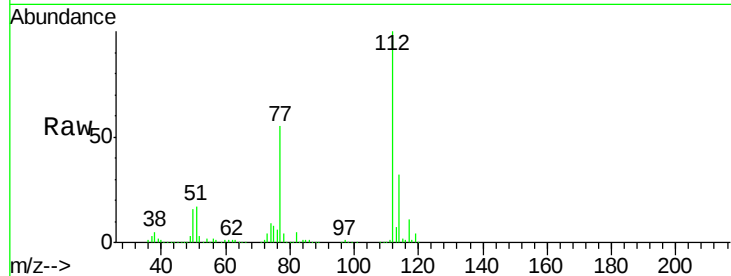
#65
Chlorobenzene
Concen: 47.712 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1120569
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

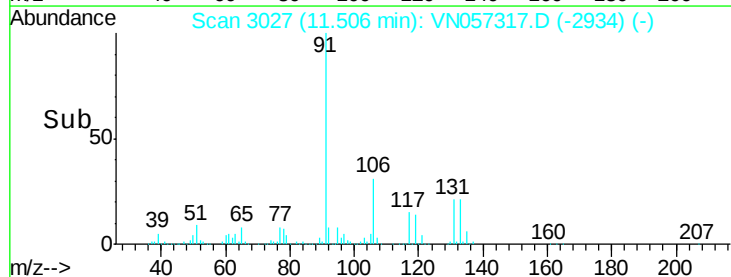
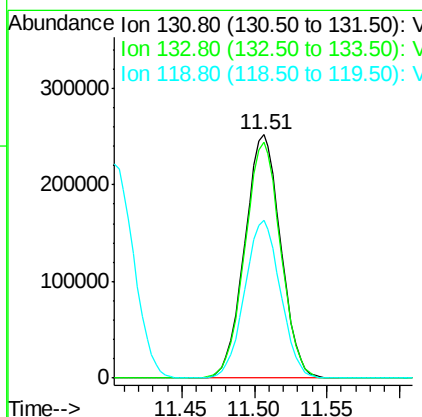
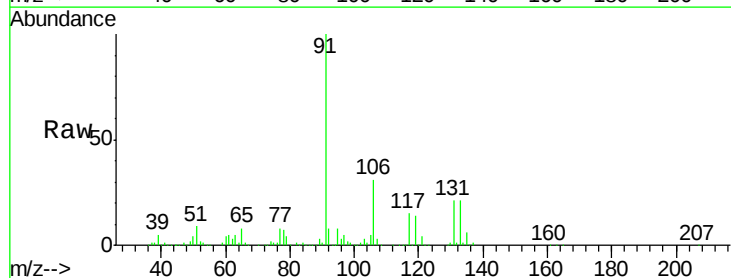
Manual Integrations
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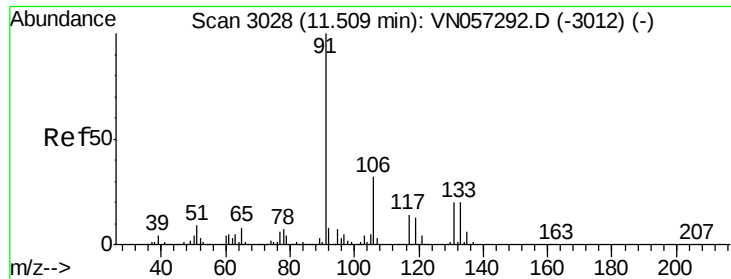
MMdadoda
8/19/2019 1:54:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.428 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion:131 Resp: 435585
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.8
119 64.4 32.0 96.2





#67

Ethyl Benzene

Concen: 48.031 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1973580

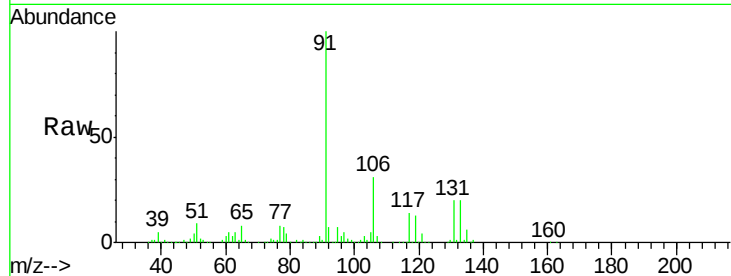
Ion Ratio Lower Upper

91 100

106 31.3 25.5 38.3

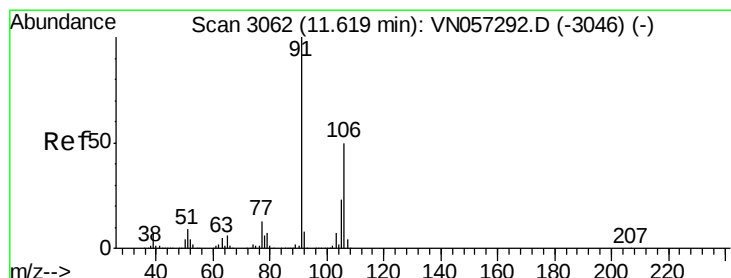
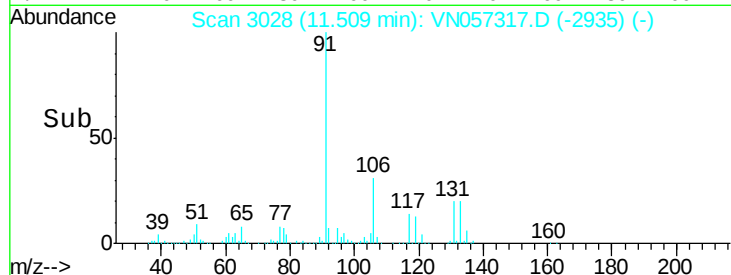
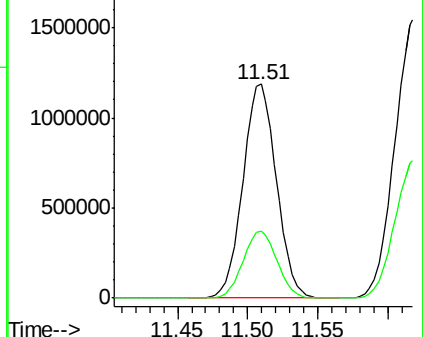
Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:54:02 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057317.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN057317.D (-2935) (-)



#68

m/p-Xylenes

Concen: 98.908 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057317.D

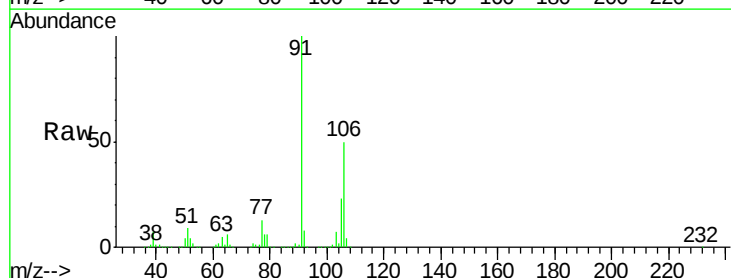
Acq: 15 Aug 2019 9:16

Tgt Ion: 106 Resp: 1497363

Ion Ratio Lower Upper

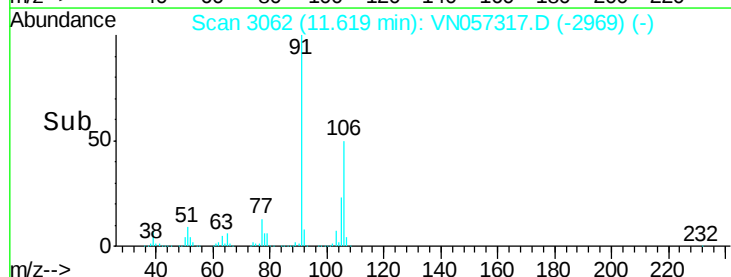
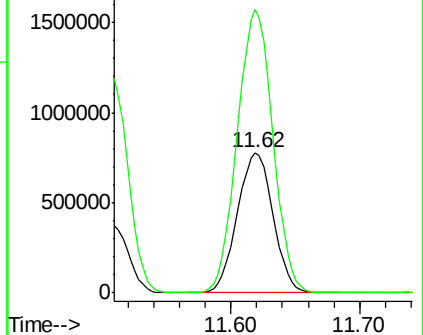
106 100

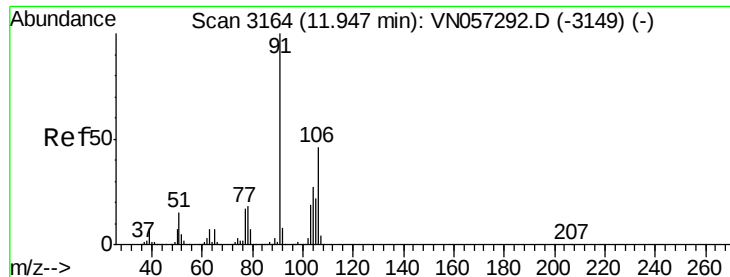
91 201.4 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VN057317.D (-2969) (-)

Ion 91.00 (90.70 to 91.70): VN057317.D (-2969) (-)





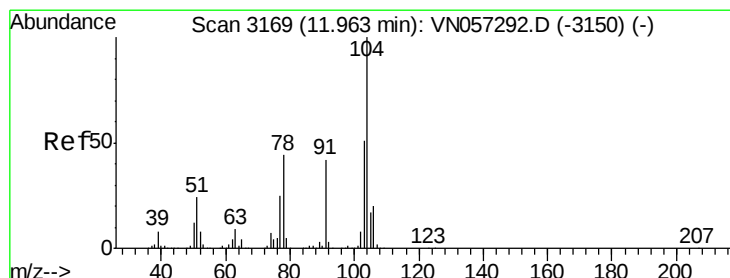
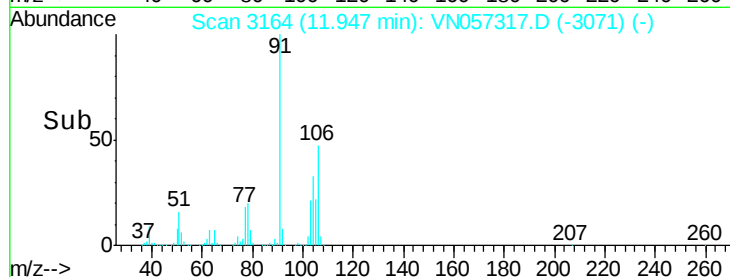
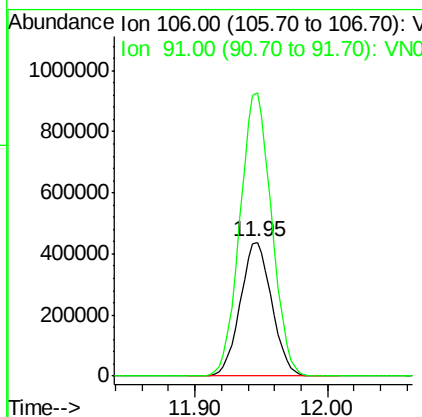
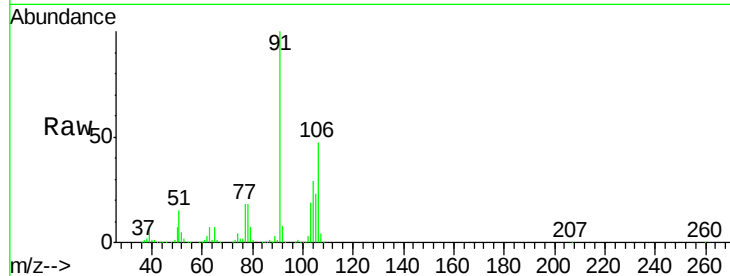
#69
o-Xylene
Concen: 48.520 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
721224	106	100		
	91	213.3	106.3	319.0

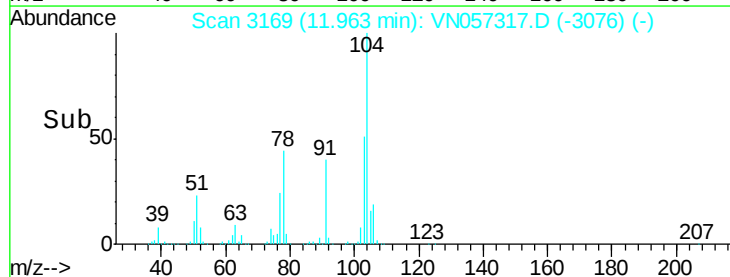
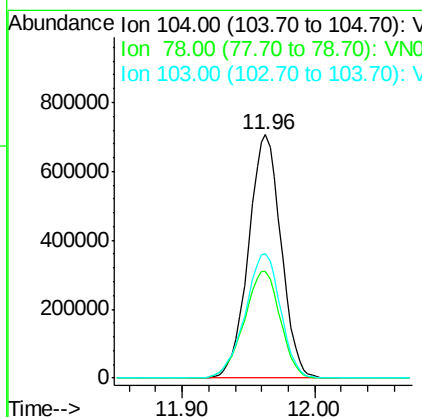
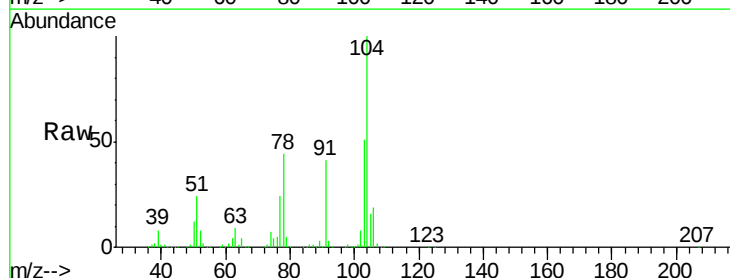
Manual Integrations
APPROVED

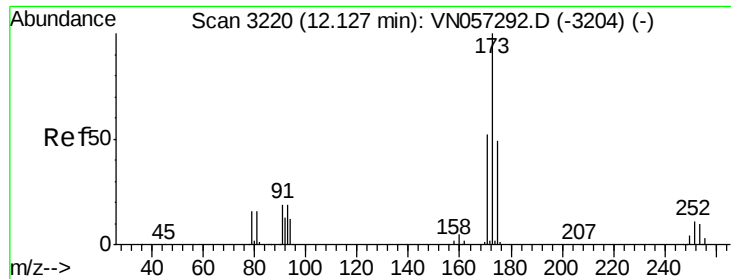
MMdadoda
8/19/2019 1:54:02 AM



#70
Styrene
Concen: 50.742 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ion	Ratio	Lower	Upper
1202298	104	100		
	78	48.8	39.2	58.8
	103	55.8	44.6	66.8





#71

Bromoform

Concen: 48.168 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

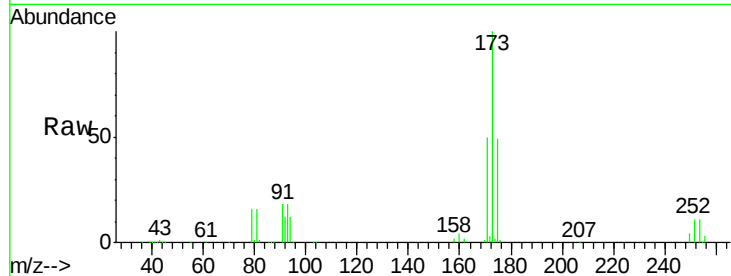
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.1	0.2	0.2

Manual Integrations
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MMdadoda
8/19/2019 1:54:02 AM

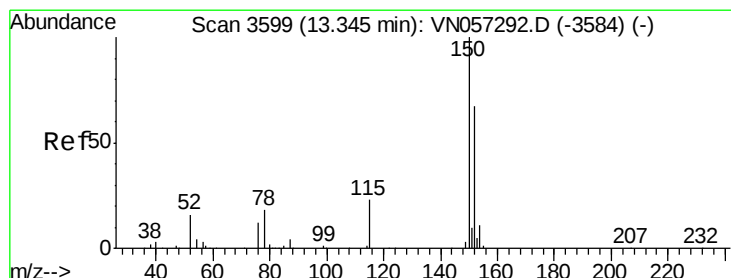
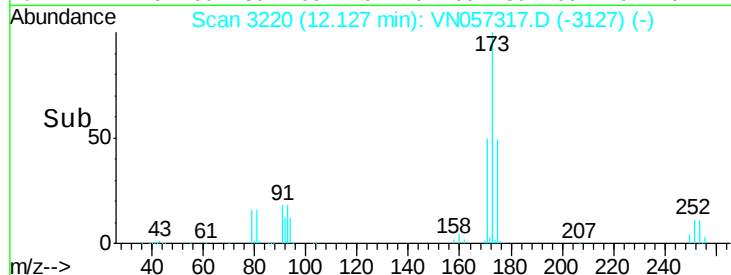
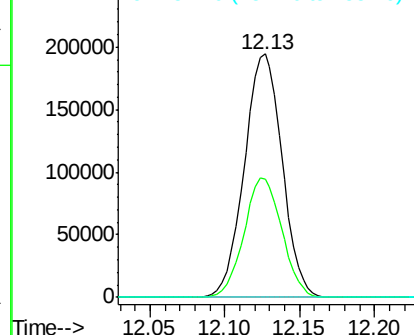


Abundance

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

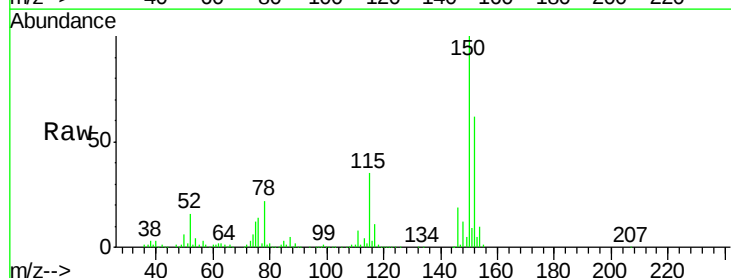
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.3	81.9
150	173.0	0.0	344.4

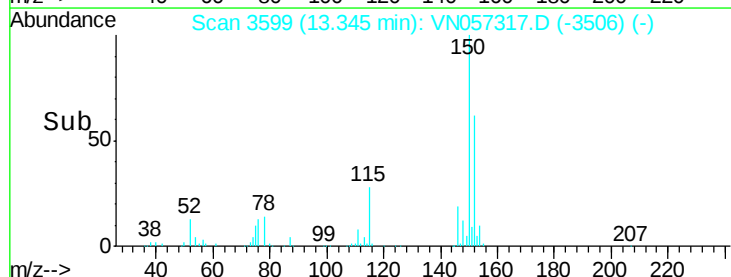
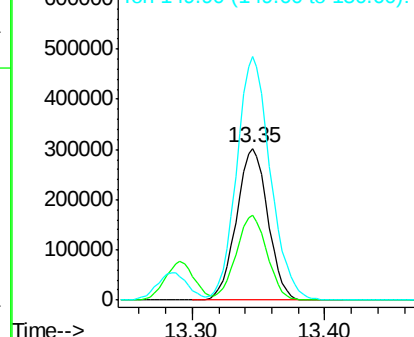


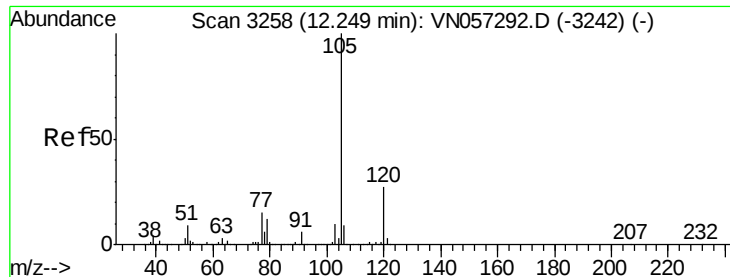
Abundance

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: 49.909 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1966499

Ion Ratio Lower Upper

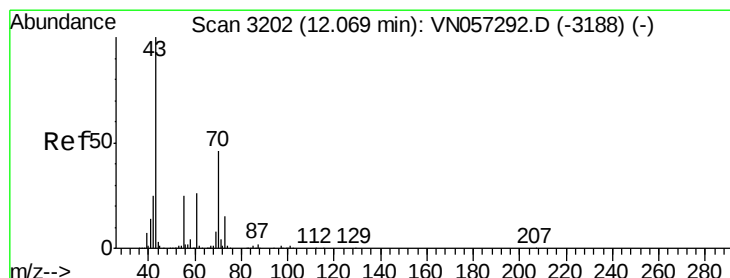
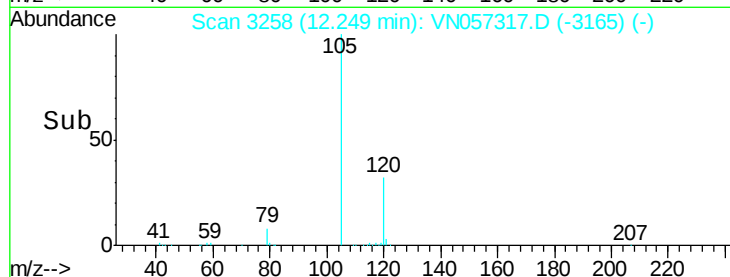
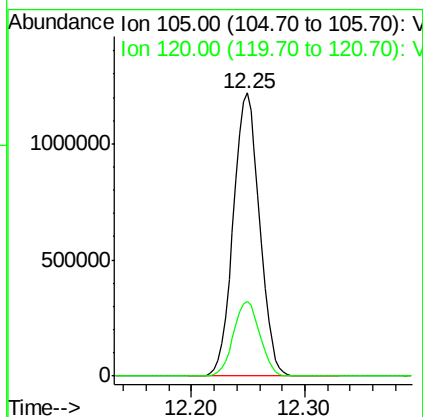
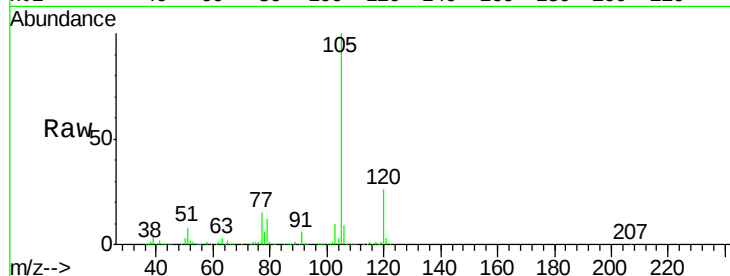
105 100

120 26.5 13.2 39.6

Manual Integrations
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MMdadoda

8/19/2019 1:54:02 AM



#74

N-ethyl acetate

Concen: 41.074 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Tgt Ion: 43 Resp: 590486

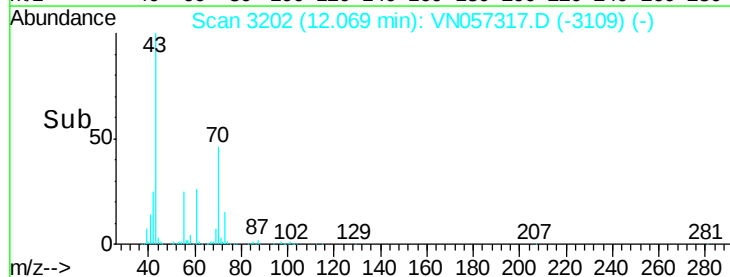
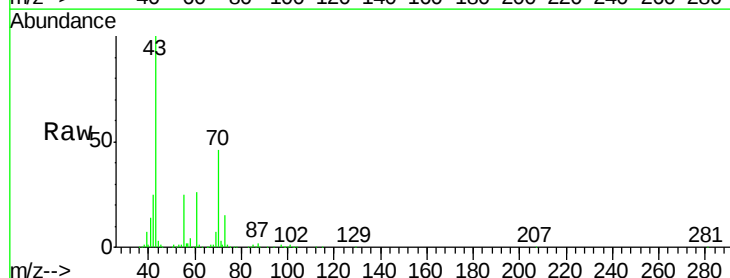
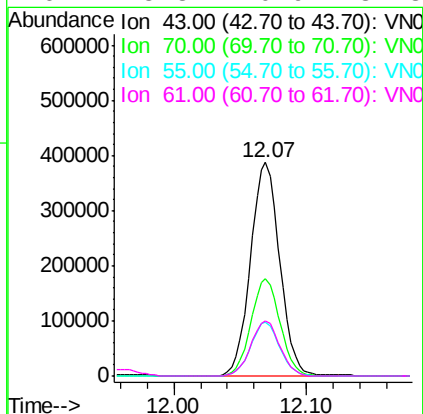
Ion Ratio Lower Upper

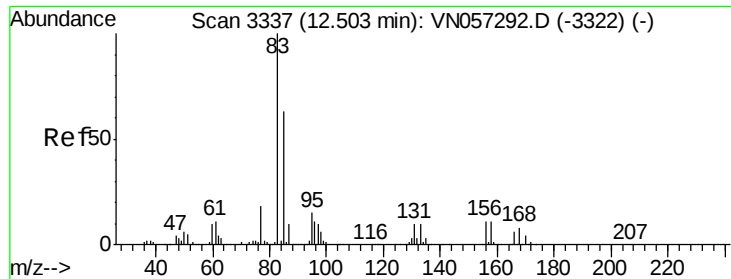
43 100

70 45.5 36.2 54.2

55 25.1 20.1 30.1

61 25.8 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.761 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

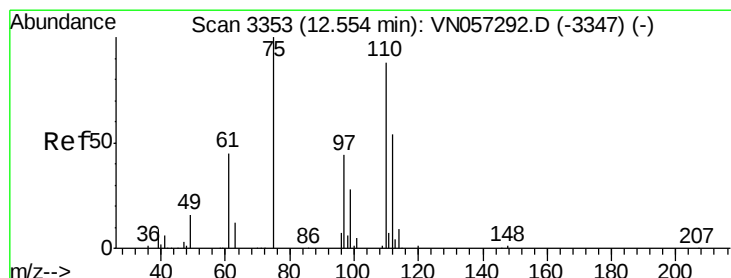
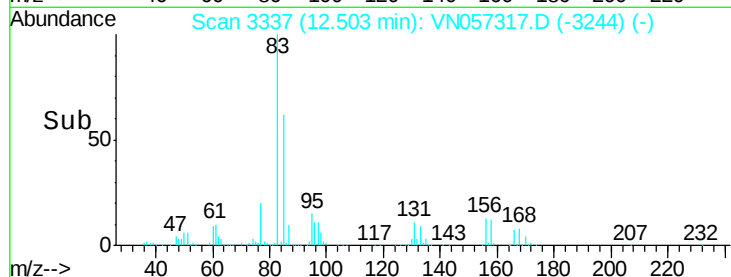
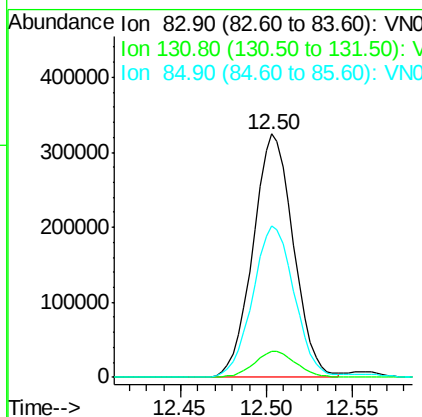
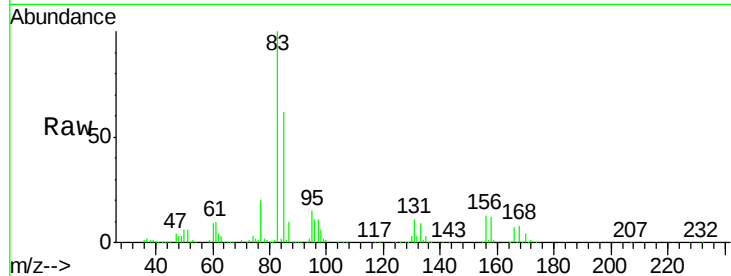
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	528156
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	63.8	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 44.876 ug/l m

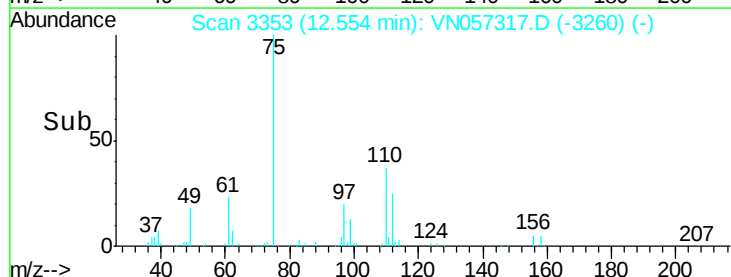
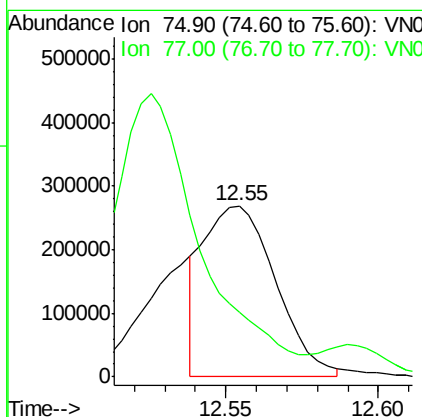
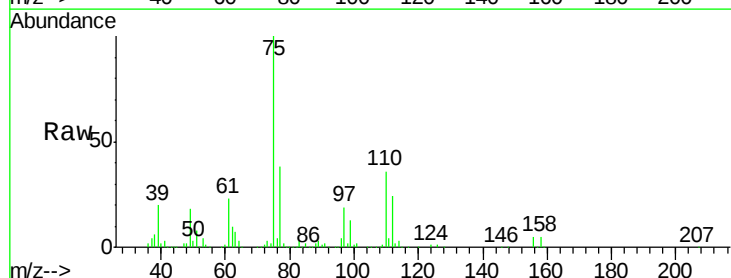
RT: 12.55 min Scan# 3353

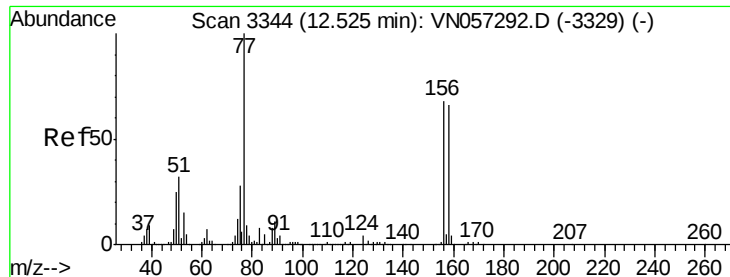
Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Tgt Ion:	75	Resp:	439655
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.112 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

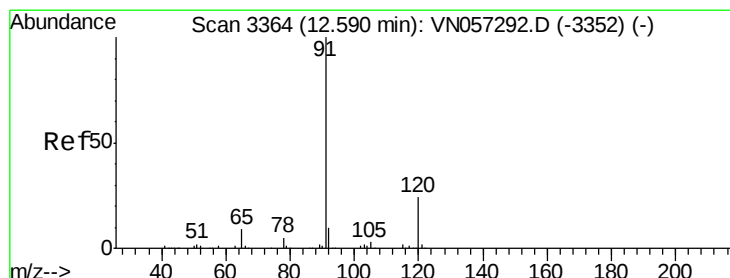
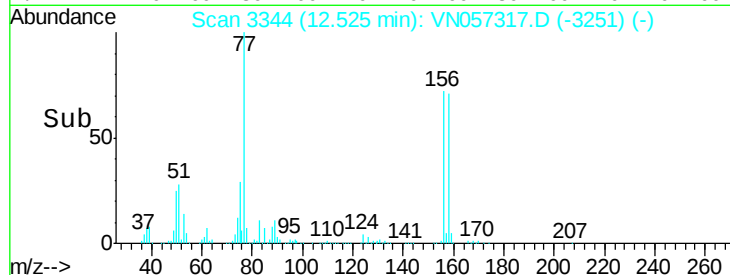
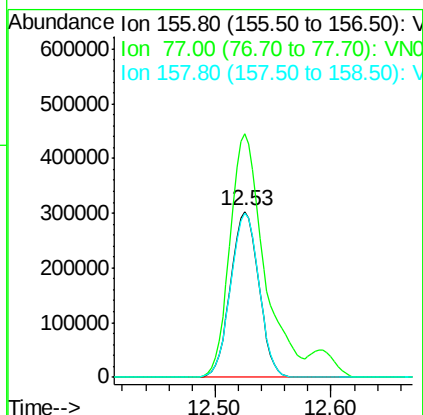
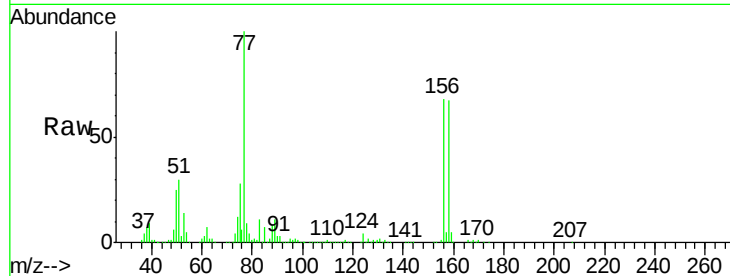
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	511765
Ion Ratio	Lower	Upper	
156	100		
77	177.2	89.8	269.6
158	99.2	49.3	147.8

Manual Integrations
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MMdadoda
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#78

n-propylbenzene

Concen: 44.293 ug/l

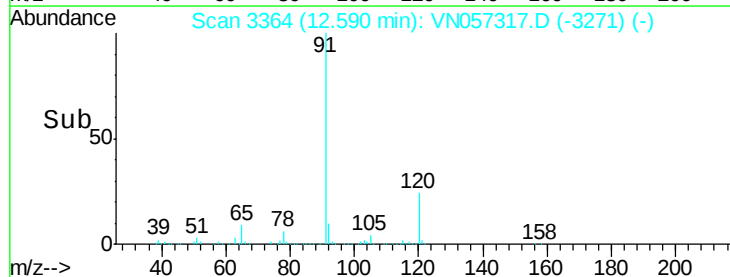
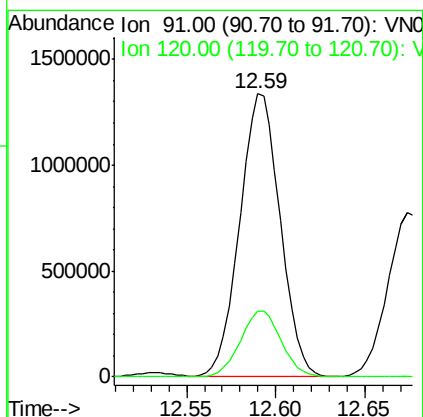
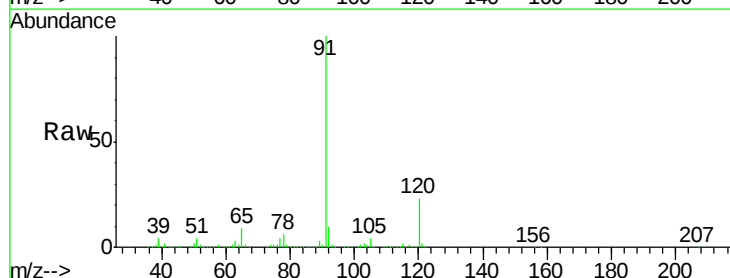
RT: 12.59 min Scan# 3364

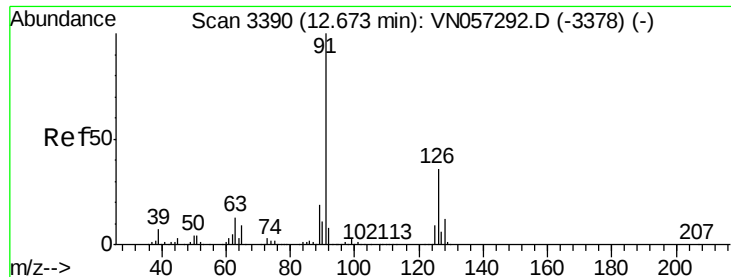
Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Tgt Ion:	91	Resp:	2113135
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.7





#79

2-Chlorotoluene

Concen: 49.250 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1285487

Ion Ratio Lower Upper

91 100

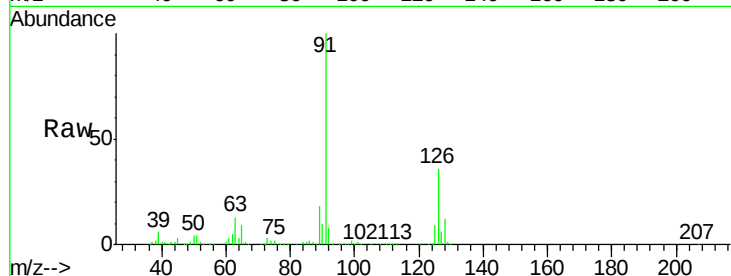
126 36.4 18.1 54.1

Manual Integrations

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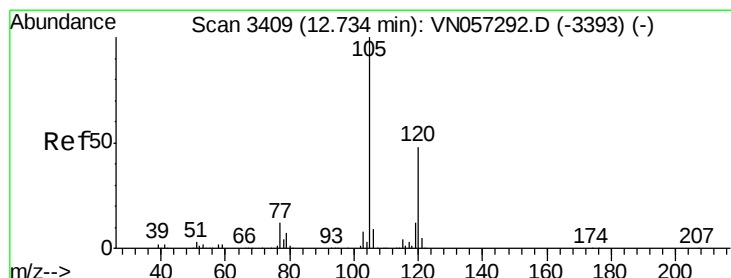
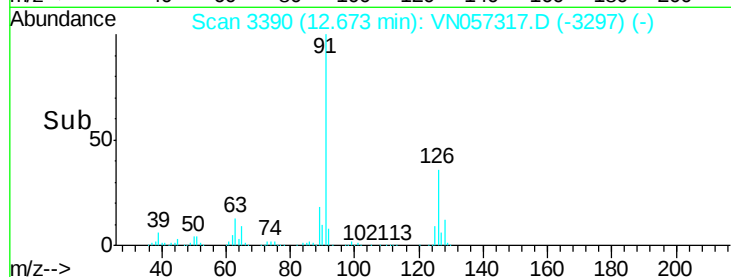
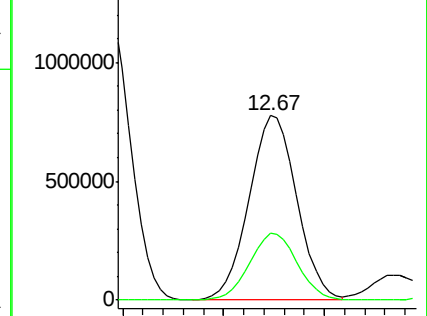
MMdadoda

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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) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.796 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057317.D

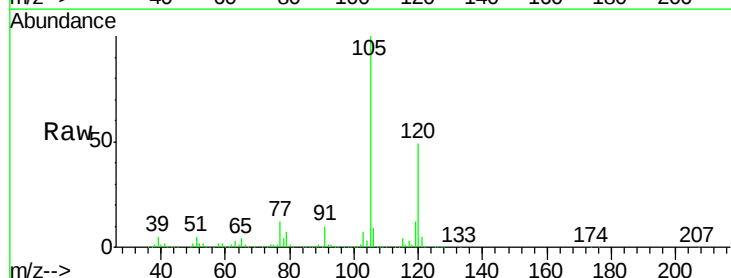
Acq: 15 Aug 2019 9:16

Tgt Ion: 105 Resp: 1662509

Ion Ratio Lower Upper

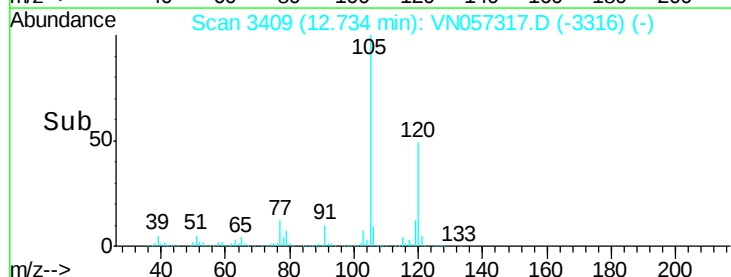
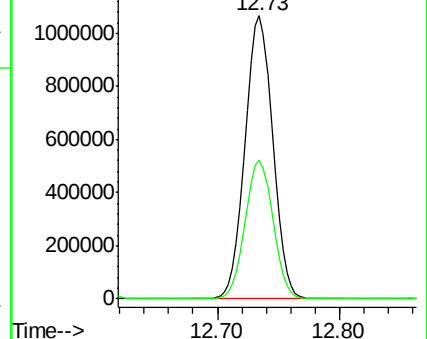
105 100

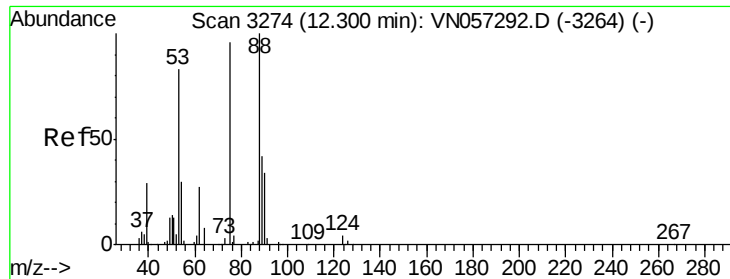
120 49.4 24.3 73.0



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 42.501 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057317.D

Acq: 15 Aug 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 172676

Ion Ratio Lower Upper

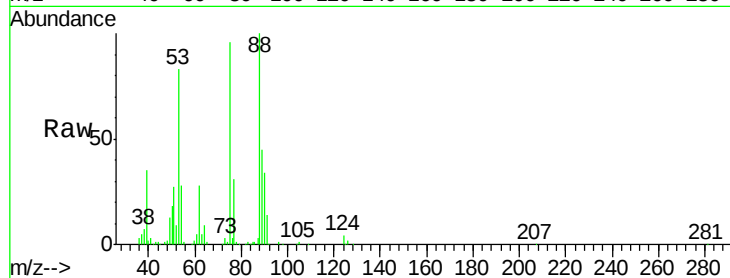
75 100

53 84.5 67.9 101.9

89 46.3 36.2 54.4

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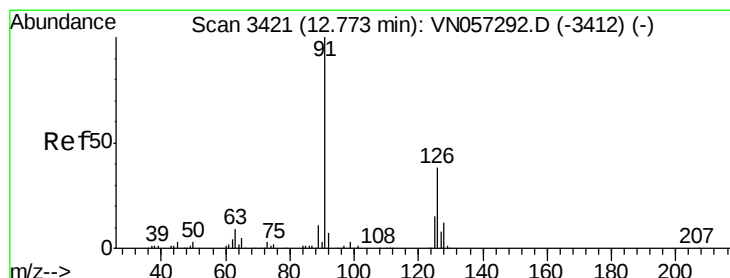
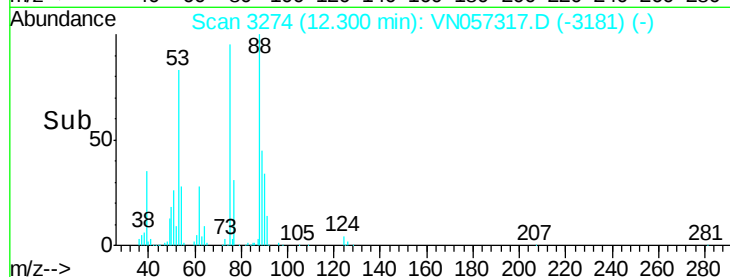
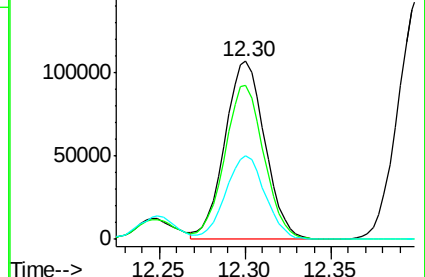
MMdadoda
8/19/2019 1:54:02 AM



Abundance Ion 74.90 (74.60 to 75.60): VN057317.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN057317.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN057317.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 44.256 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057317.D

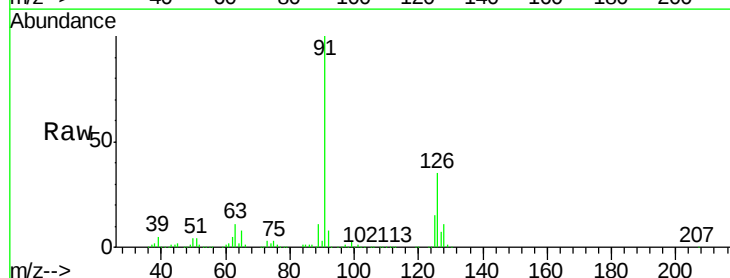
Acq: 15 Aug 2019 9:16

Tgt Ion: 91 Resp: 1251129

Ion Ratio Lower Upper

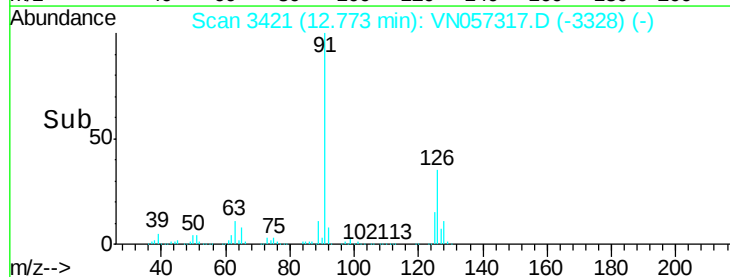
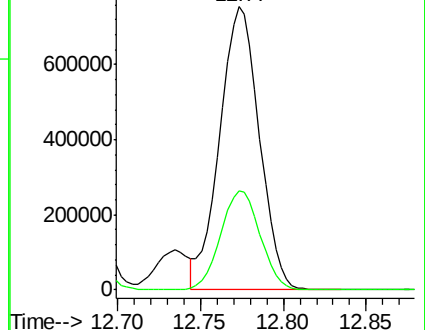
91 100

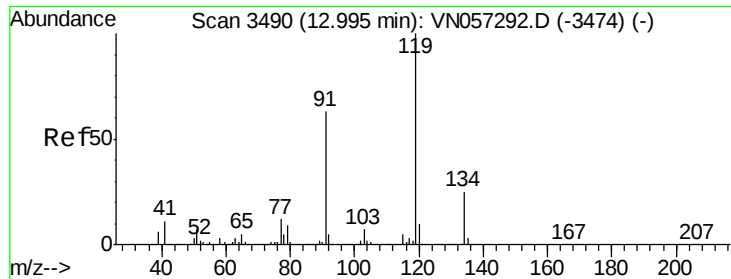
126 35.0 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN057317.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN057317.D (-3328) (-)





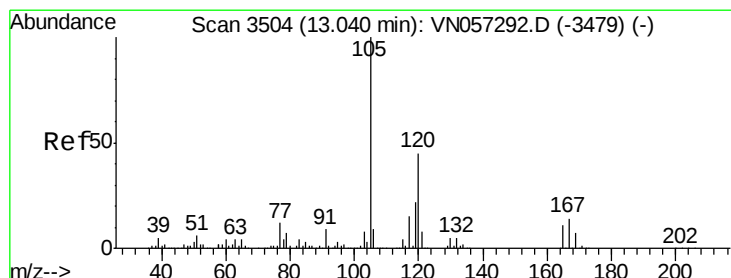
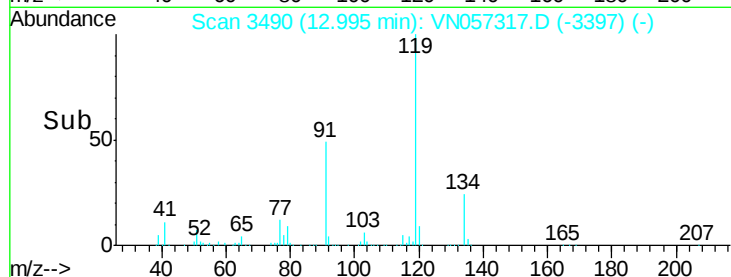
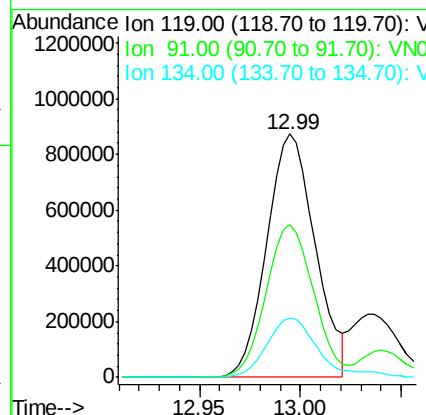
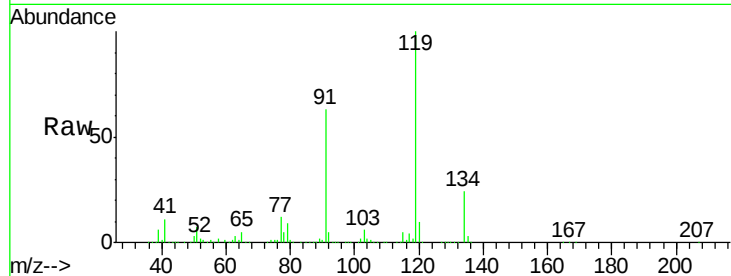
#83
tert-Butylbenzene
Concen: 49.714 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	31.3	93.8
134	26.1	13.1	39.1

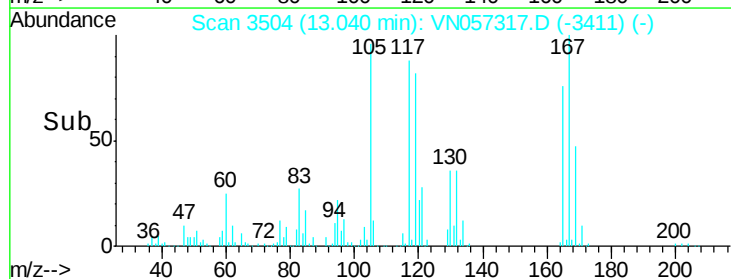
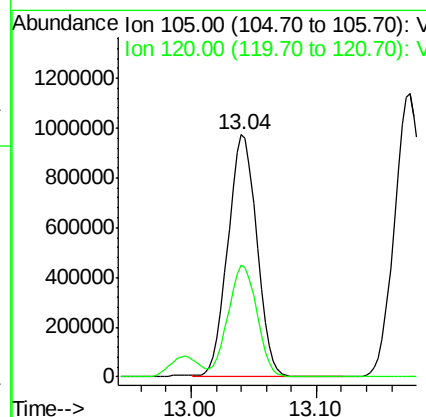
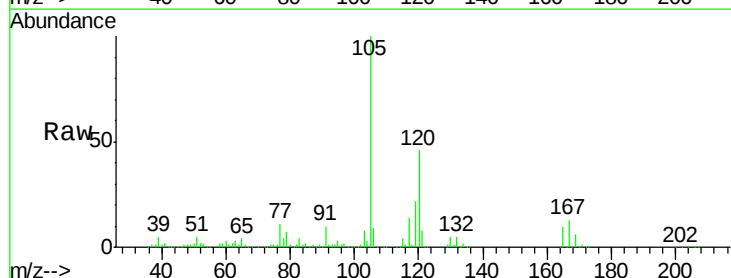
Manual Integrations
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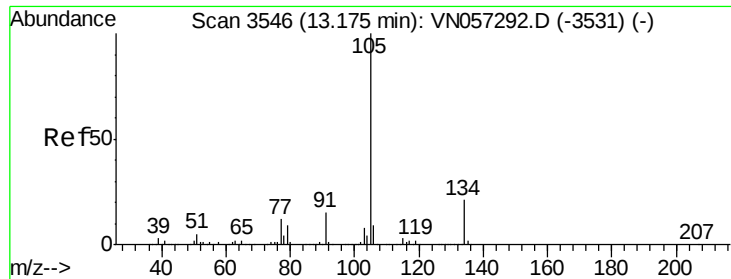
MMDadoda
8/19/2019 1:54:02 AM



#84
1,2,4-Trimethylbenzene
Concen: 43.637 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.6	67.7





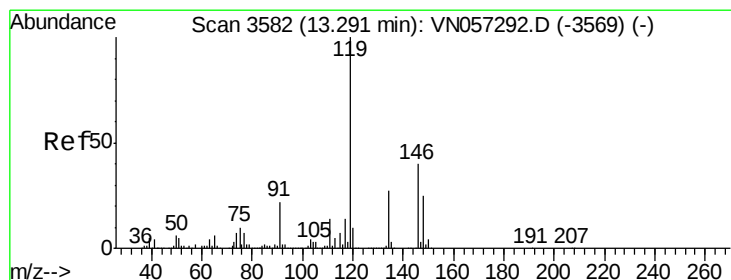
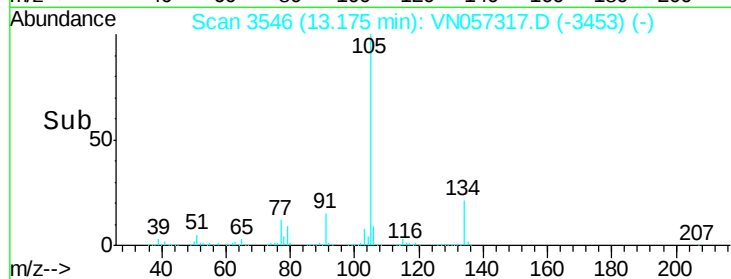
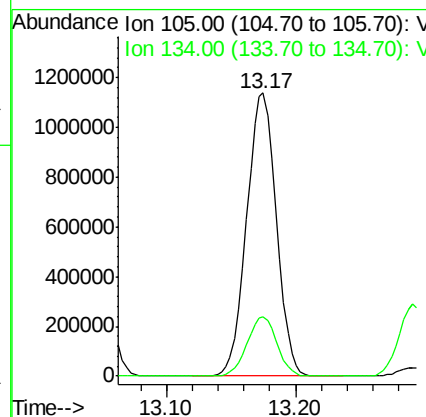
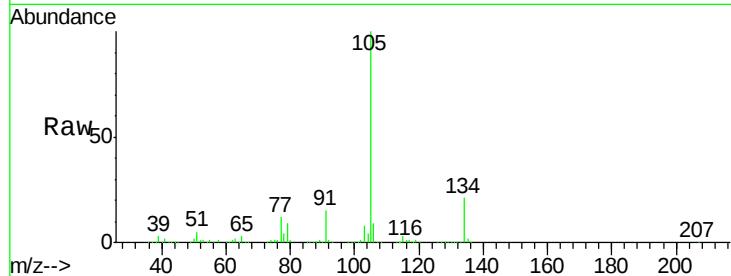
#85
 sec-Butylbenzene
 Concen: 48.525 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1820360
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.2

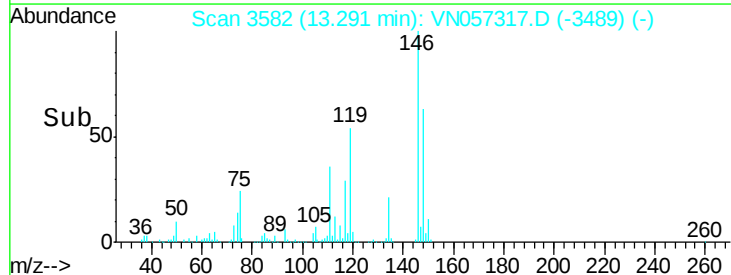
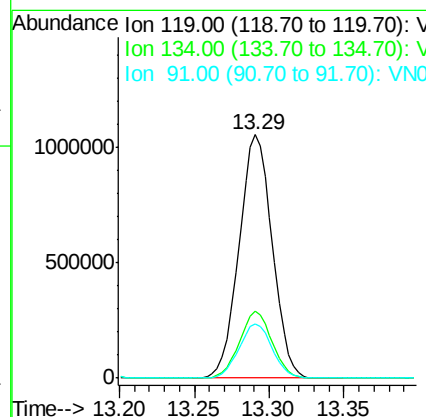
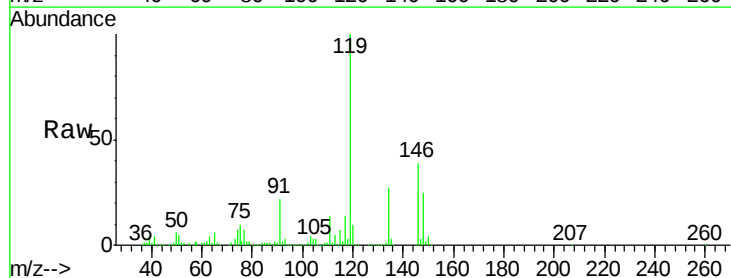
Manual Integrations
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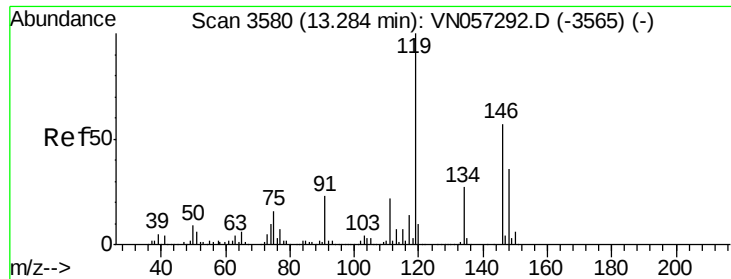
MMdadoda
 8/19/2019 1:54:02 AM



#86
 p-Isopropyltoluene
 Concen: 44.406 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Tgt Ion:119 Resp: 1622290
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 22.3 11.2 33.5





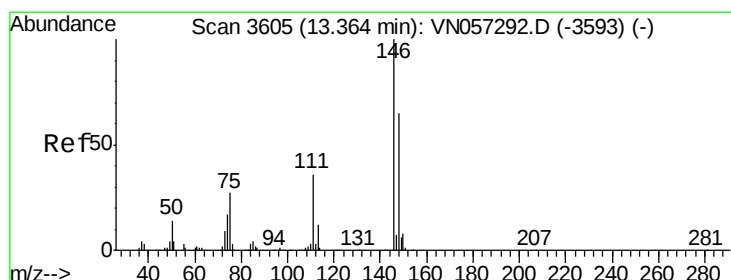
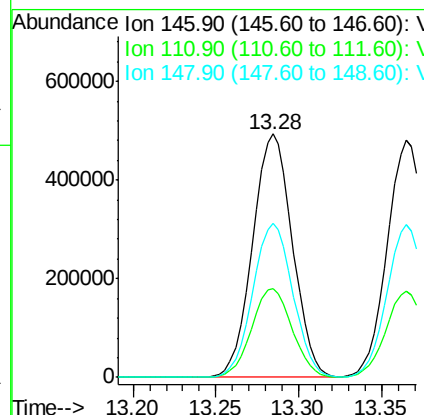
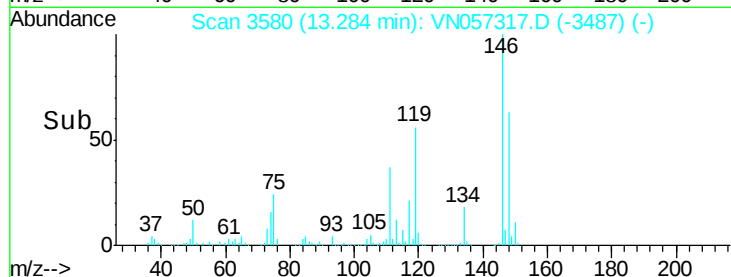
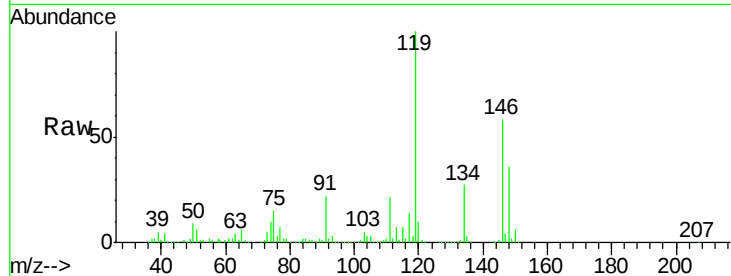
#87
 1,3-Dichlorobenzene
 Concen: 47.451 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	823648		
111	36.8	18.7	56.1	
148	63.4	31.7	95.1	

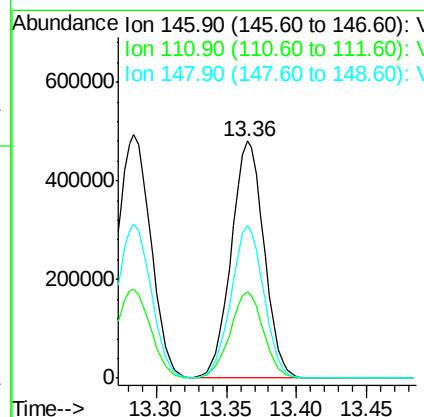
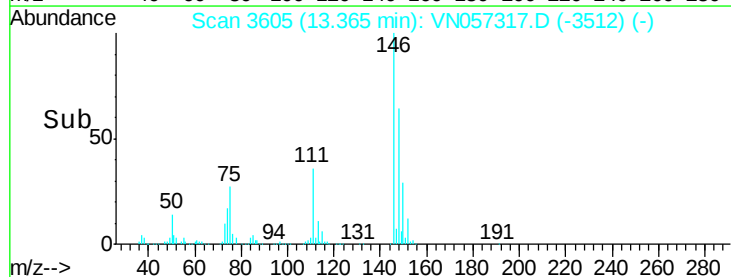
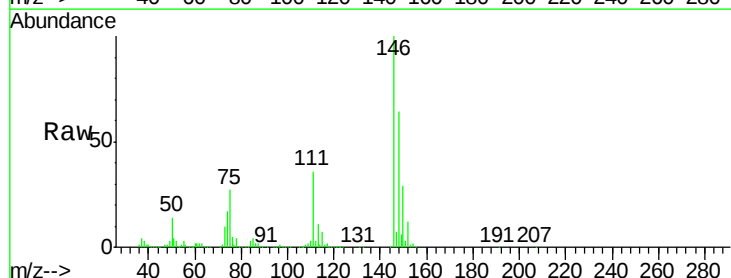
Manual Integrations
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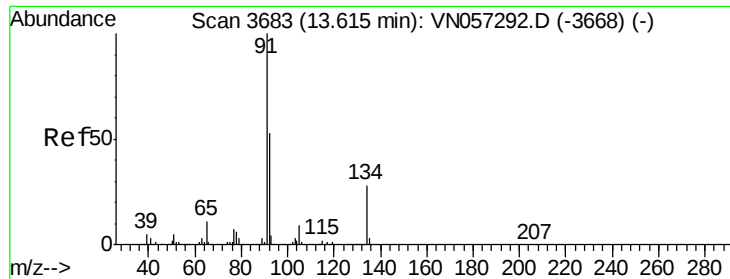
MMDadoda
 8/19/2019 1:54:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.328 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	779839		
111	36.8	18.4	55.4	
148	64.1	32.5	97.4	





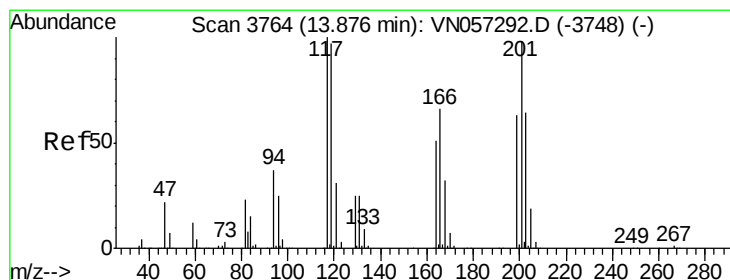
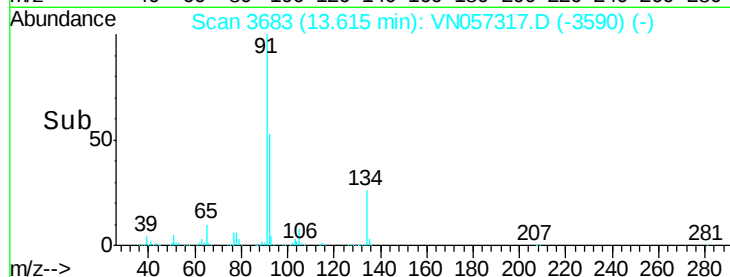
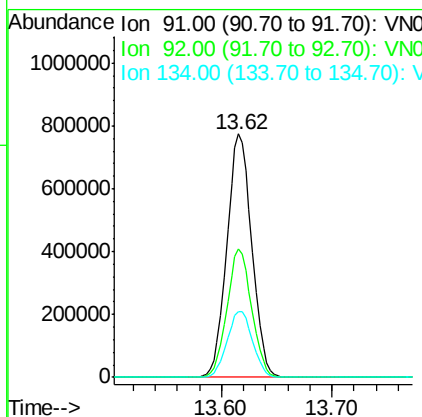
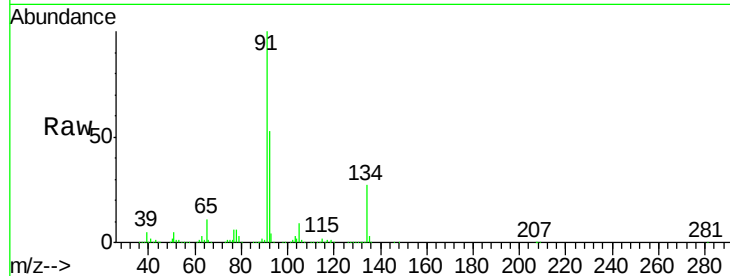
#89
n-Butylbenzene
Concen: 46.326 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1206549
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.6
134 27.8 13.9 41.7

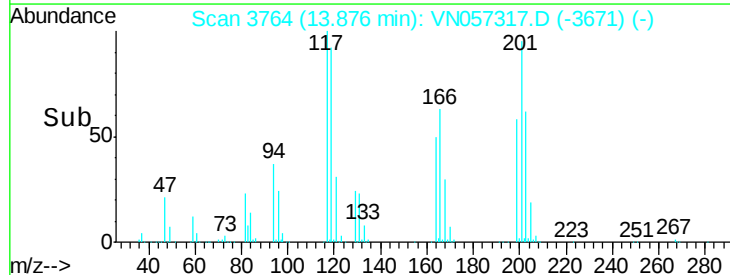
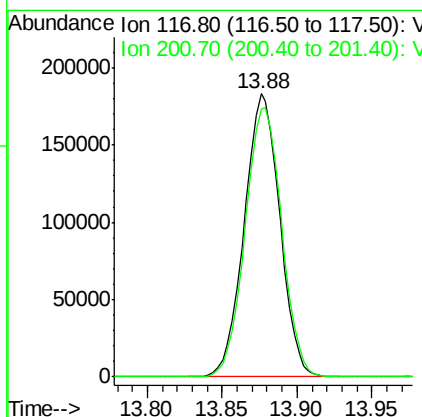
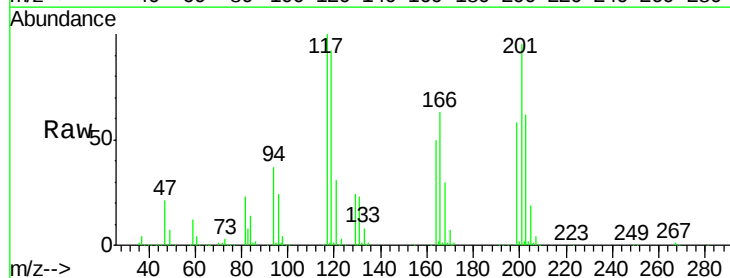
Manual Integrations
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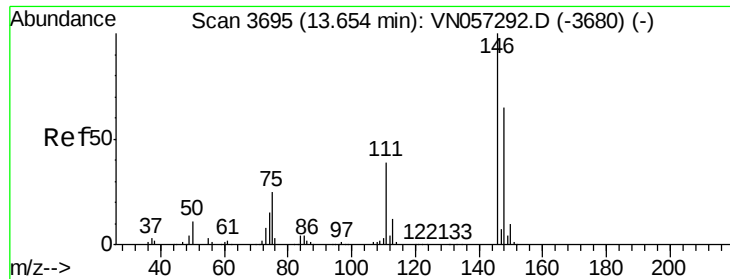
MMDadoda
8/19/2019 1:54:02 AM



#90
Hexachloroethane
Concen: 48.612 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion: 117 Resp: 302452
Ion Ratio Lower Upper
117 100
201 97.9 48.4 145.0





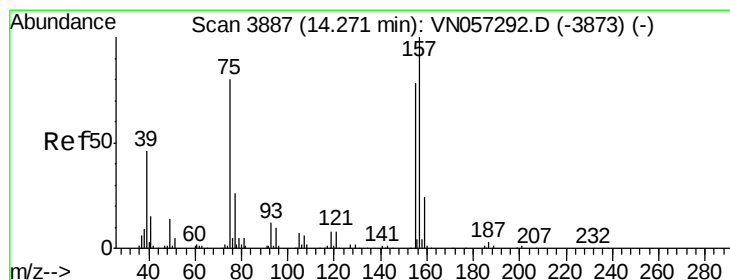
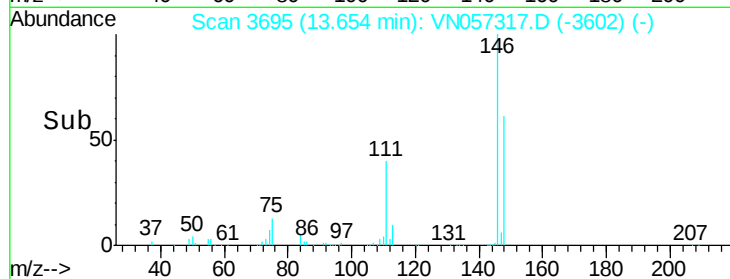
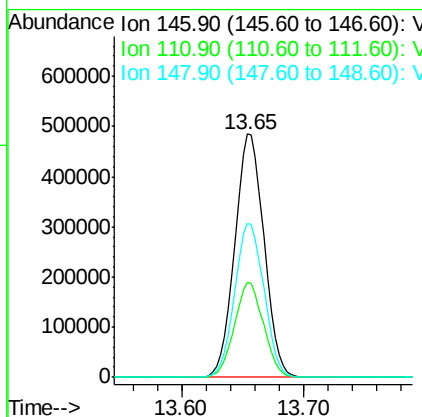
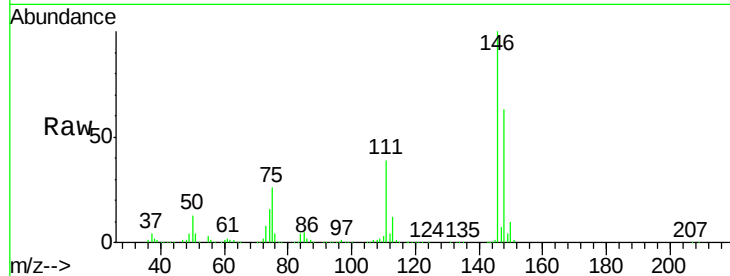
#91
 1,2-Dichlorobenzene
 Concen: 49.629 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.1
148	63.5	32.0	96.0

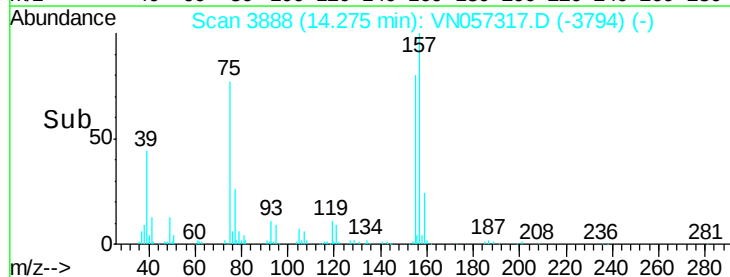
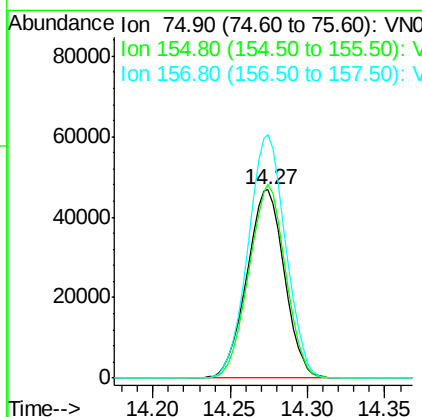
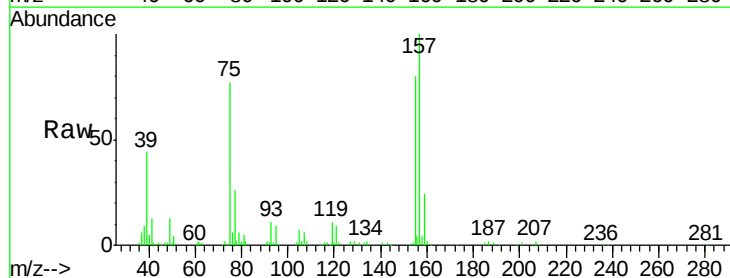
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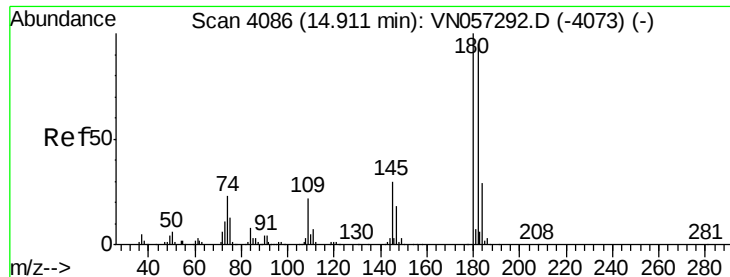
MMDadoda
 8/19/2019 1:54:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.951 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	49.6	148.8
157	128.5	63.7	191.1





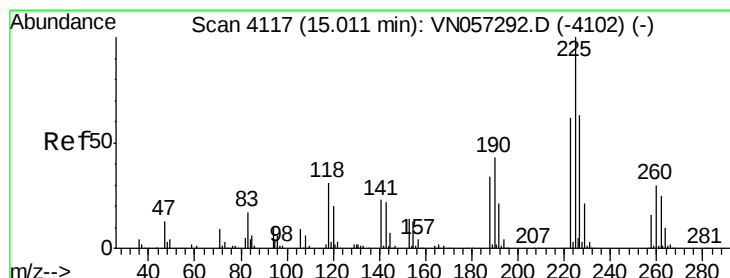
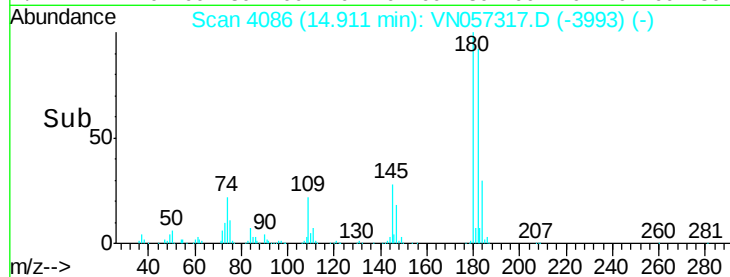
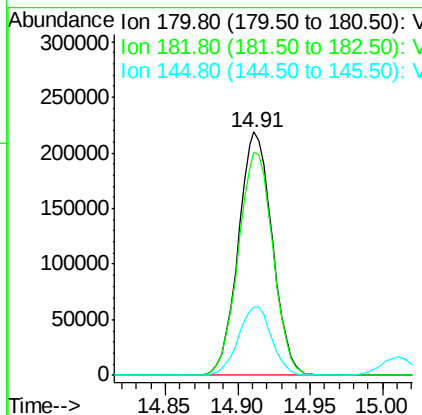
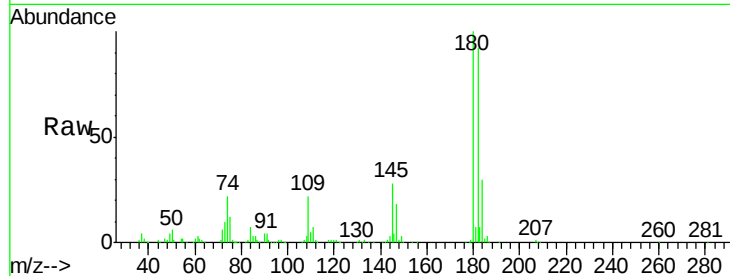
#93
 1,2,4-Trichlorobenzene
 Concen: 54.299 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	354702		
182	93.8	48.0	144.2	
145	27.7	14.5	43.6	

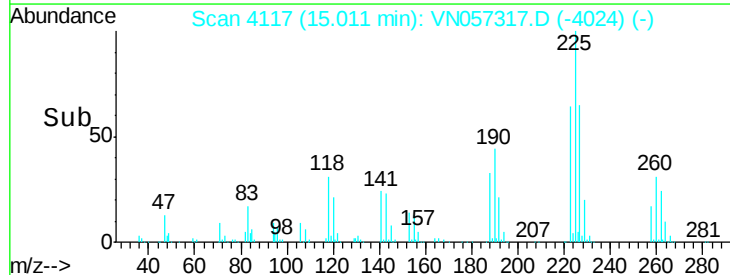
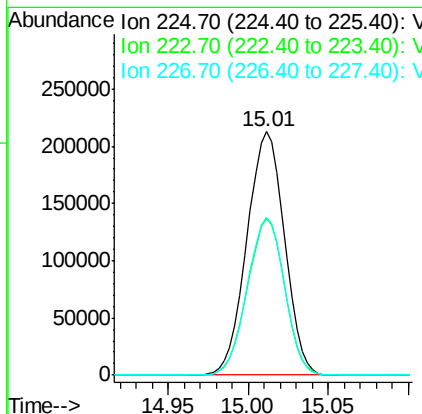
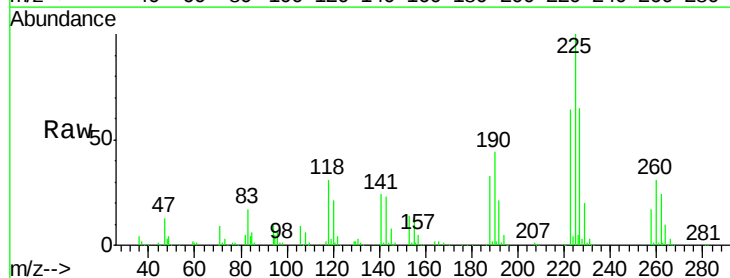
Manual Integrations
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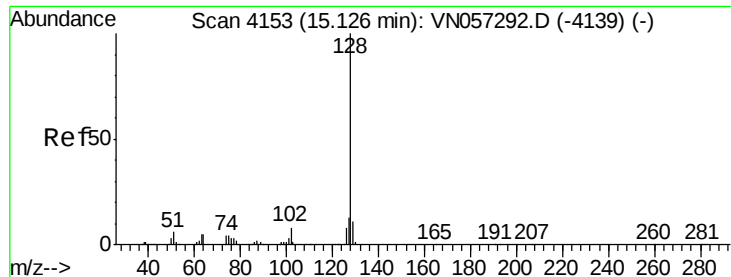
MMDadoda
 8/19/2019 1:54:02 AM



#94
 Hexachlorobutadiene
 Concen: 55.530 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057317.D
 Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	341399		
223	63.7	30.7	92.1	
227	64.3	30.9	92.7	





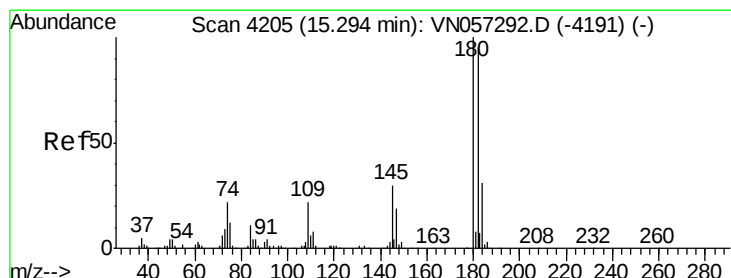
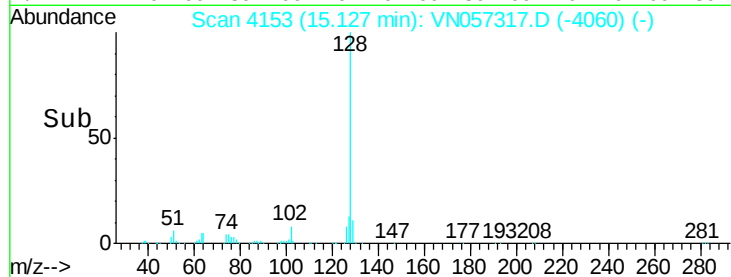
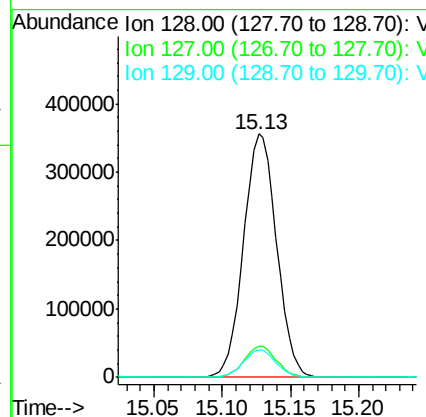
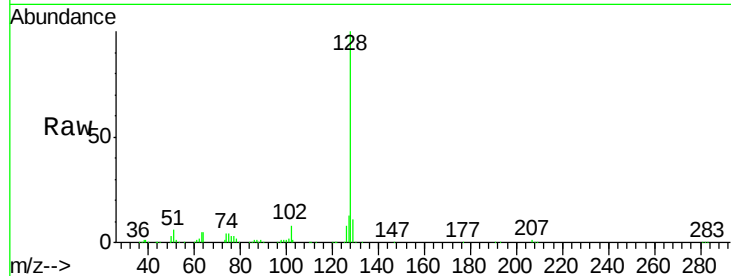
#95
Naphthalene
Concen: 57.233 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	598047		
127	12.5		10.5	15.7
129	11.0		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 65.278 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057317.D
Acq: 15 Aug 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	317688		
182	96.9		47.9	143.6
145	29.8		15.1	45.3

