

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057414.D
 Acq On : 19 Aug 2019 21:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:28 AM

Quant Time: Aug 20 09:01:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	845433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1223999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1120712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	453246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	449357	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	7.58	113	415687	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.08	98	1547208	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.40	95	527031	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314872	43.282	ug/l	97
3) Chloromethane	2.05	50	356922	41.566	ug/l	99
4) Vinyl Chloride	2.18	62	347018	42.956	ug/l	99
5) Bromomethane	2.54	94	273289m	47.458	ug/l	
6) Chloroethane	2.69	64	243587	43.836	ug/l	98
7) Trichlorofluoromethane	3.01	101	581335	45.877	ug/l	98
8) Diethyl Ether	3.40	74	214905	45.060	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	344497	46.273	ug/l	98
10) Methyl Iodide	3.95	142	600714	50.480	ug/l	99
11) Tert butyl alcohol	4.75	59	277259	212.198	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	341435	46.029	ug/l	97
13) Acrolein	3.60	56	109797	138.424	ug/l	99
14) Allyl chloride	4.31	41	511532	43.021	ug/l	98
15) Acrylonitrile	4.97	53	787317	221.948	ug/l	100
16) Acetone	3.80	43	599878	188.152	ug/l	98
17) Carbon Disulfide	4.05	76	855735	42.821	ug/l	99
18) Methyl Acetate	4.31	43	378653	44.165	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	1082270	46.499	ug/l	98
20) Methylene Chloride	4.54	84	392833	44.037	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	368148	46.151	ug/l	93
22) Diisopropyl ether	5.94	45	1041282	44.331	ug/l	97
23) Vinyl Acetate	5.88	43	4150639	219.565	ug/l	98
24) 1,1-Dichloroethane	5.83	63	651049	45.052	ug/l	99
25) 2-Butanone	6.82	43	950076	205.780	ug/l	93
26) 2,2-Dichloropropane	6.81	77	494417	42.334	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	437895	46.369	ug/l	97
28) Bromochloromethane	7.18	49	290952	45.314	ug/l #	92
29) Tetrahydrofuran	7.19	42	612023	209.465	ug/l	97
30) Chloroform	7.36	83	684946	45.229	ug/l	97
31) Cyclohexane	7.64	56	523205	41.779	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	623048	48.915	ug/l	99
36) 1,1-Dichloropropene	7.78	75	493143	45.631	ug/l	99
37) Ethyl Acetate	6.91	43	395754	44.710	ug/l	99
38) Carbon Tetrachloride	7.77	117	554943	49.422	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	571003	45.249	ug/l	98
40) Benzene	8.03	78	1540553	46.606	ug/l	98
41) Methacrylonitrile	7.17	41	206263m	51.745	ug/l	
42) 1,2-Dichloroethane	8.12	62	514106	46.992	ug/l	100
43) Isopropyl Acetate	8.15	43	763666	47.111	ug/l	99
44) Trichloroethene	8.83	130	452084	48.647	ug/l	96
45) 1,2-Dichloropropane	9.11	63	395224	46.386	ug/l	100
46) Dibromomethane	9.20	93	261799	46.058	ug/l	94
47) Bromodichloromethane	9.40	83	552639	49.071	ug/l	99
48) Methyl methacrylate	9.19	41	319630	43.851	ug/l	96
49) 1,4-Dioxane	9.19	88	138521	903.686	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2014756	220.635	ug/l	99
52) Toluene	10.15	92	997764	48.496	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	582250	47.797	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	640246	47.662	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	389128	48.099	ug/l	99
56) Ethyl methacrylate	10.42	69	567968	48.107	ug/l	97
57) 1,3-Dichloropropane	10.70	76	628837	46.528	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	595109	175.378	ug/l	97
59) 2-Hexanone	10.75	43	1423995	216.909	ug/l	97
60) Dibromochloromethane	10.90	129	463462	51.120	ug/l	100
61) 1,2-Dibromoethane	11.00	107	415316	48.191	ug/l	99
64) Tetrachloroethene	10.63	164	459788	47.458	ug/l	98
65) Chlorobenzene	11.43	112	1119598	48.982	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	437784	50.011	ug/l	99
67) Ethyl Benzene	11.51	91	1921303	48.045	ug/l	100
68) m/p-Xylenes	11.62	106	1452712	98.597	ug/l	98
69) o-Xylene	11.95	106	711850	49.206	ug/l	99
70) Styrene	11.96	104	1178756	51.116	ug/l	99
71) Bromoform	12.13	173	360410	52.188	ug/l #	100
73) Isopropylbenzene	12.25	105	1922778	53.590	ug/l	99
74) N-amyl acetate	12.07	43	544357	41.389	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	513107	51.021	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	461834m	51.812	ug/l	
77) Bromobenzene	12.53	156	522180	53.919	ug/l	95
78) n-propylbenzene	12.59	91	2007370	45.992	ug/l	99
79) 2-Chlorotoluene	12.67	91	1238863	52.013	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1604662	52.666	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	161845	43.542	ug/l	98
82) 4-Chlorotoluene	12.77	91	1182336	45.714	ug/l	97
83) tert-Butylbenzene	12.99	119	1432584	53.655	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1542985	47.264	ug/l	99
85) sec-Butylbenzene	13.17	105	1765608	51.539	ug/l	100
86) p-Isopropyltoluene	13.29	119	1564602	46.812	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	775560	48.838	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	735278	48.775	ug/l	100
89) n-Butylbenzene	13.62	91	1203362	50.503	ug/l	100
90) Hexachloroethane	13.88	117	310632	54.872	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	737659	49.830	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	70071	43.354	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	264594	45.263	ug/l	99
94) Hexachlorobutadiene	15.01	225	323469	57.687	ug/l	99
95) Naphthalene	15.13	128	513360	54.725	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	242500	56.954	ug/l	99

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

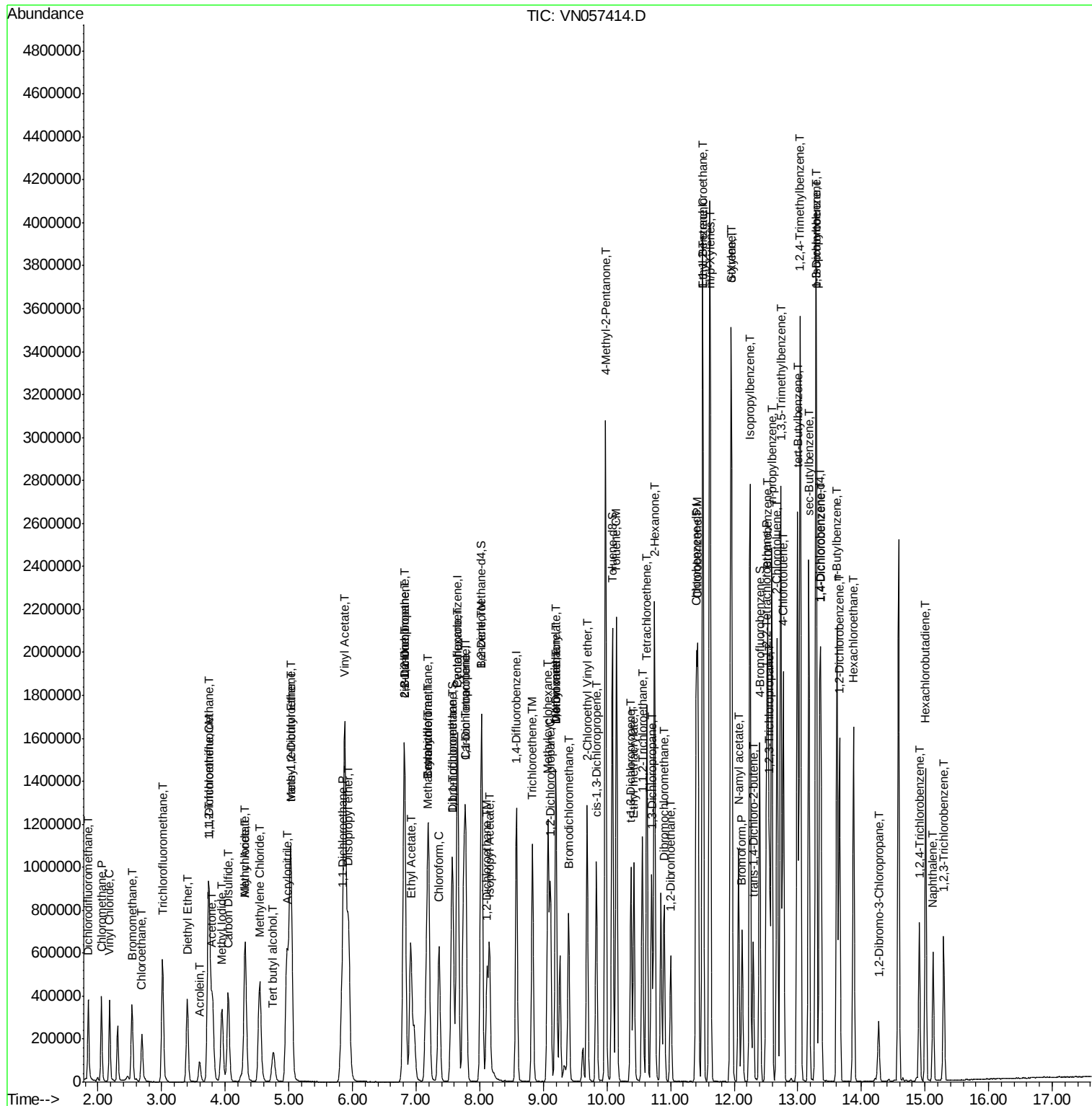
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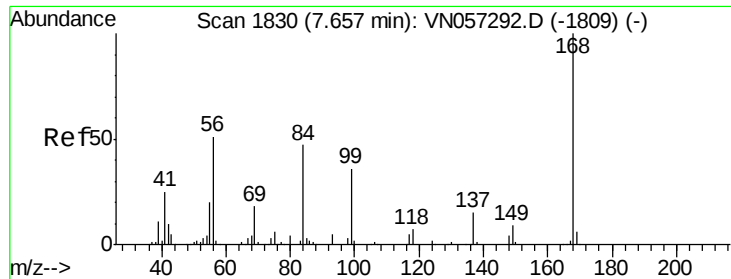
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 845433

Ion Ratio Lower Upper

168 100

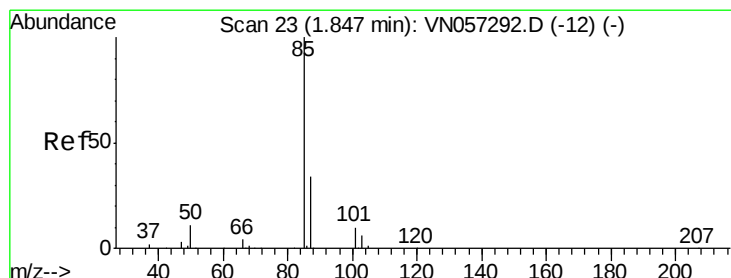
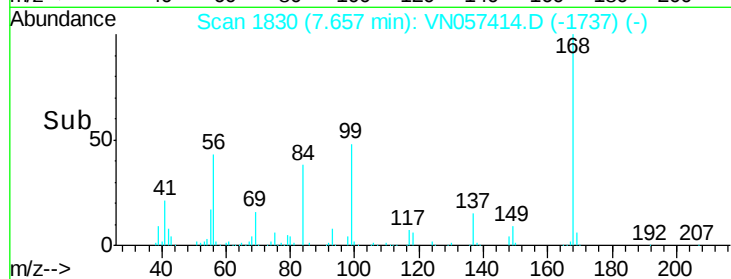
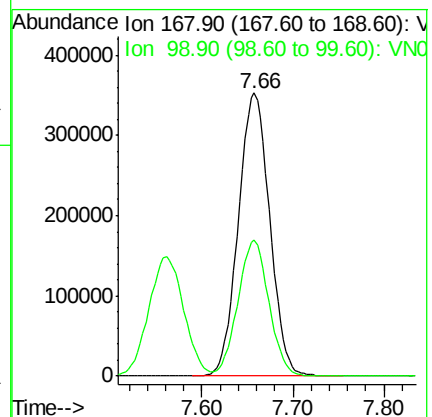
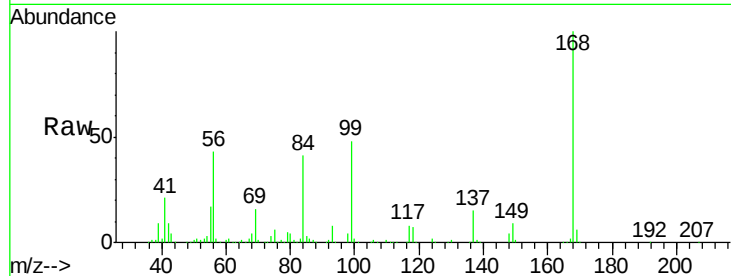
99 47.9 39.4 59.2

Manual Integrations

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8/21/2019 9:45:28 AM



#2

Dichlorodifluoromethane

Concen: 43.282 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057414.D

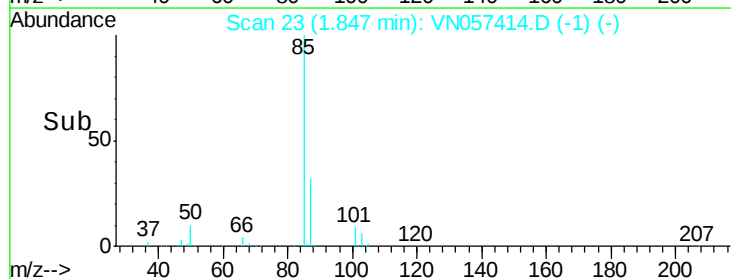
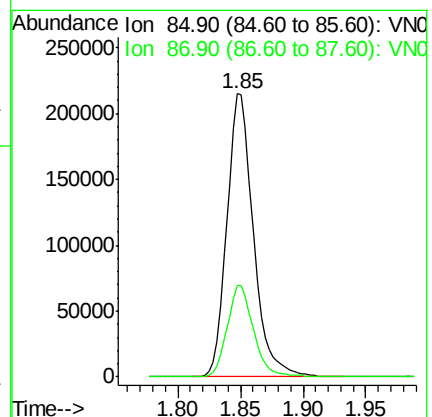
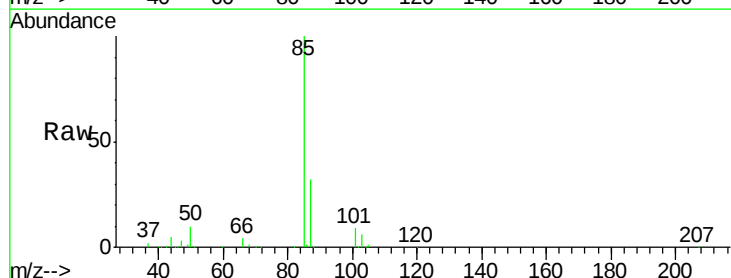
Acq: 19 Aug 2019 21:36

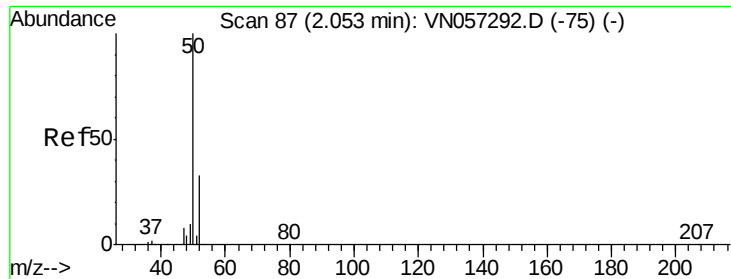
Tgt Ion: 85 Resp: 314872

Ion Ratio Lower Upper

85 100

87 32.2 16.9 50.7





#3

Chloromethane

Concen: 41.566 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 356922

Ion Ratio Lower Upper

50 100

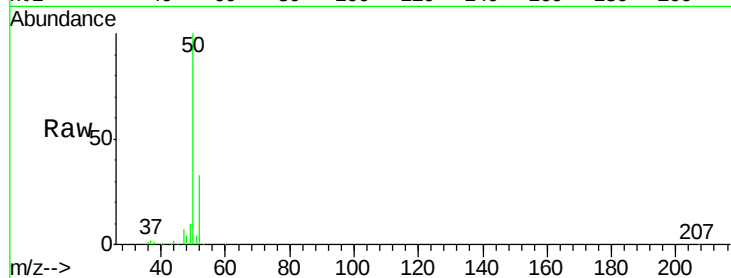
52 32.7 26.8 40.2

Manual Integrations

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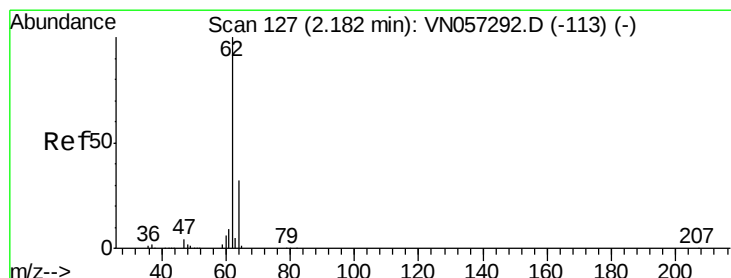
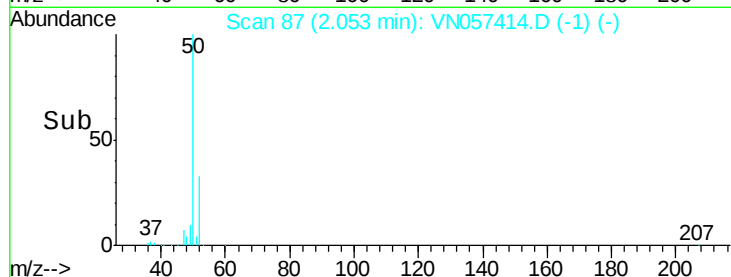
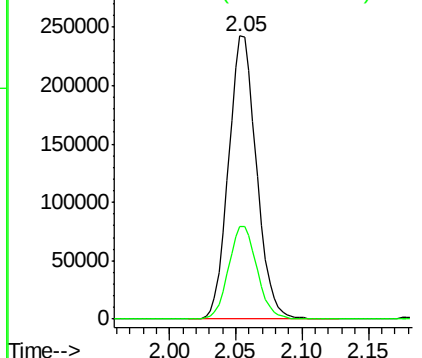
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 42.956 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057414.D

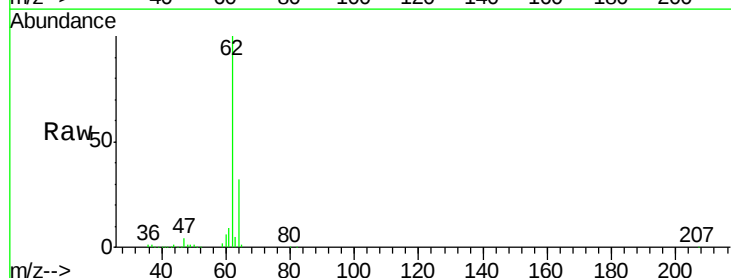
Acq: 19 Aug 2019 21:36

Tgt Ion: 62 Resp: 347018

Ion Ratio Lower Upper

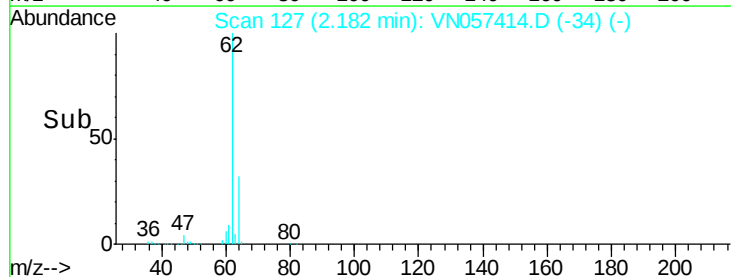
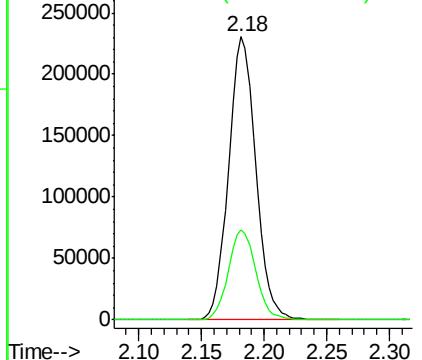
62 100

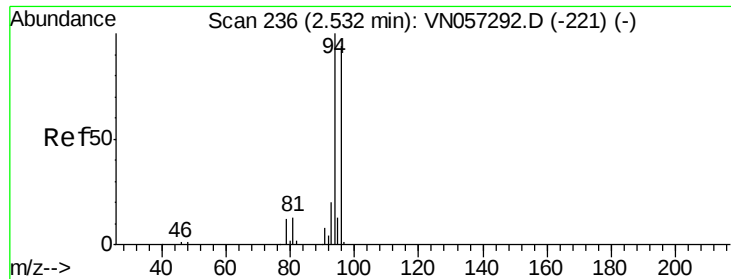
64 31.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 47.458 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

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Tot Ion: 94 Resp: 273289

Ion Ratio Lower Upper

94 100

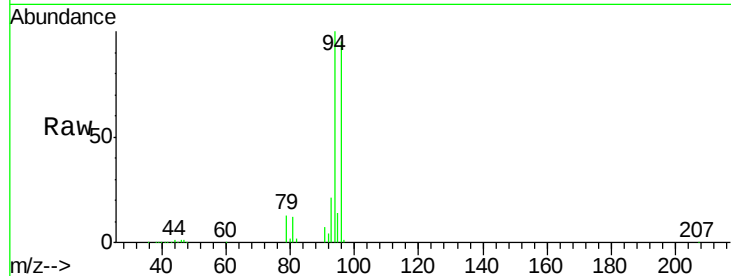
96 95.2 75.0 112.6

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

150000

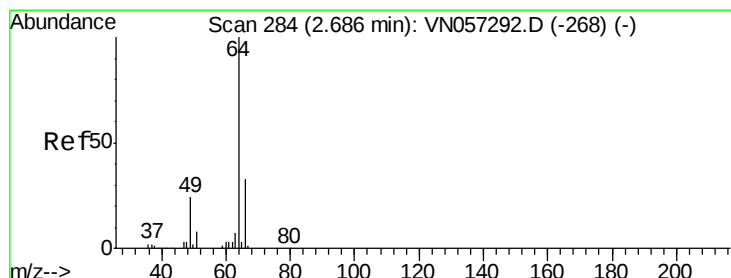
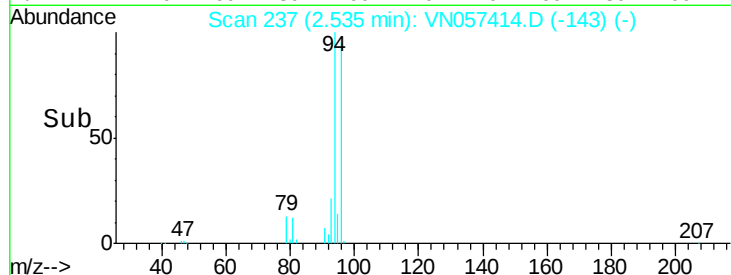
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50000

0

2.54

Time-->



#6

Chloroethane

Concen: 43.836 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057414.D

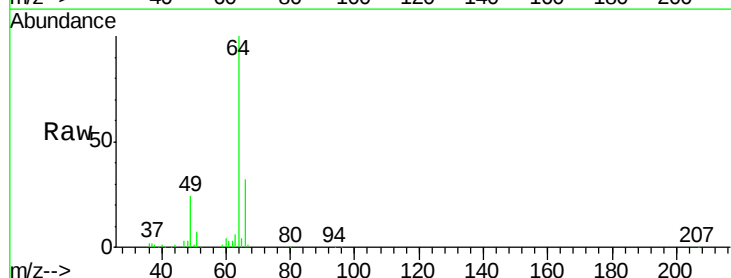
Acq: 19 Aug 2019 21:36

Tgt Ion: 64 Resp: 243587

Ion Ratio Lower Upper

64 100

66 31.8 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

120000

100000

80000

60000

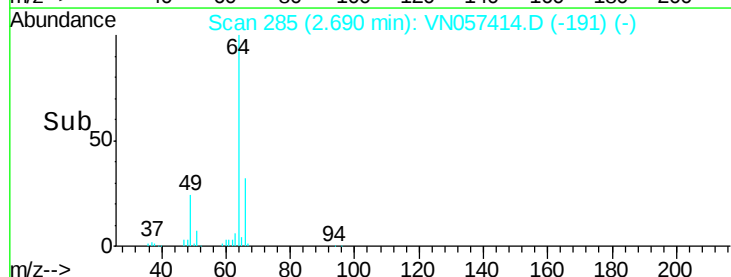
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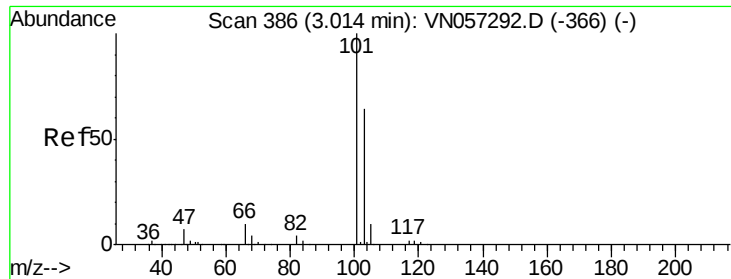
20000

0

2.69

Time-->





#7

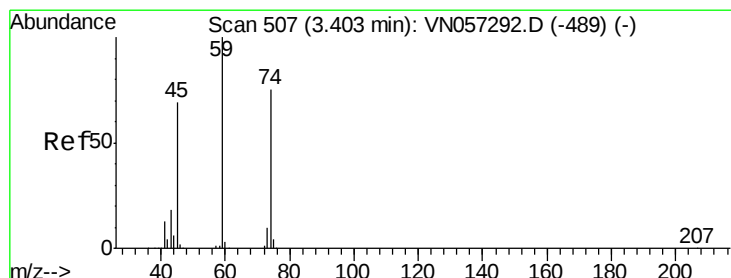
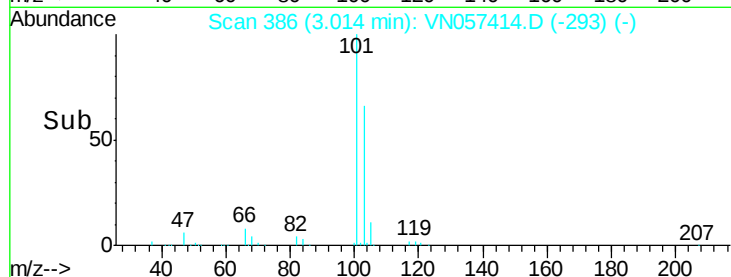
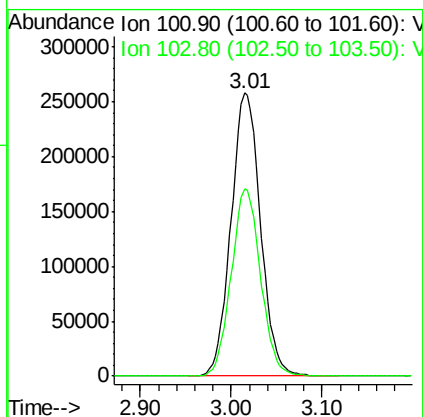
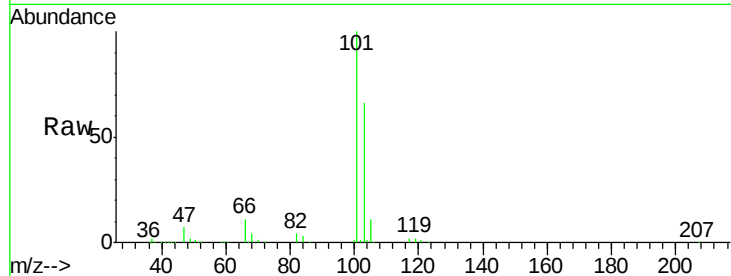
Trichlorofluoromethane
Concen: 45.877 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	581335		
103	66.2	51.5	77.3	

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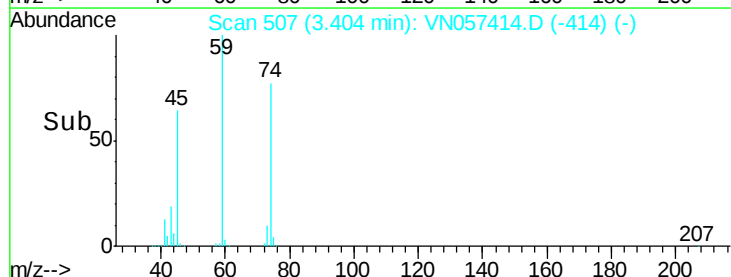
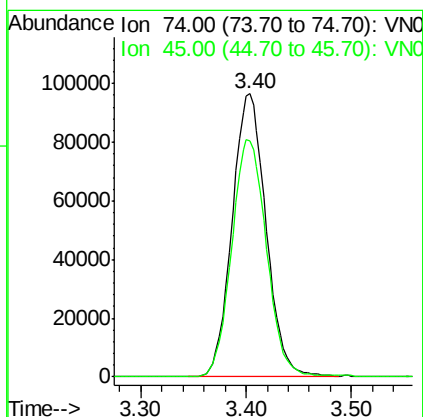
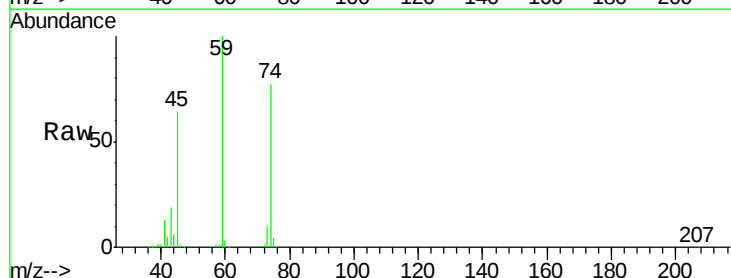
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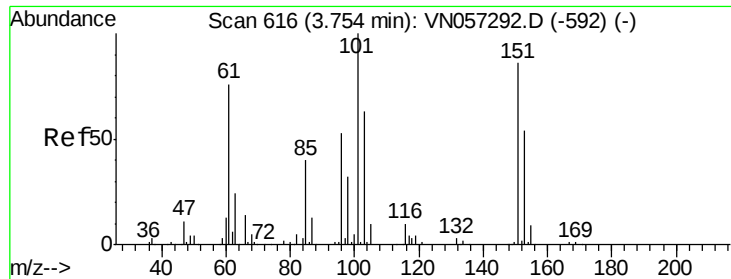


#8

Diethyl Ether
Concen: 45.060 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	214905		
45	86.2	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.273 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

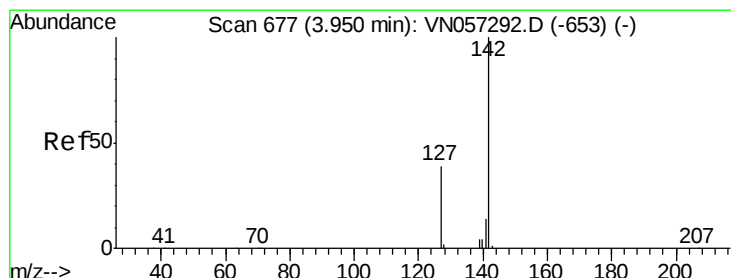
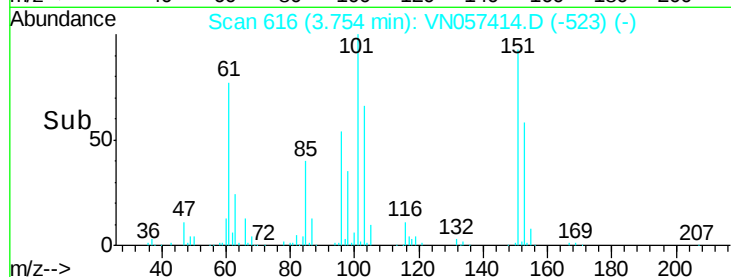
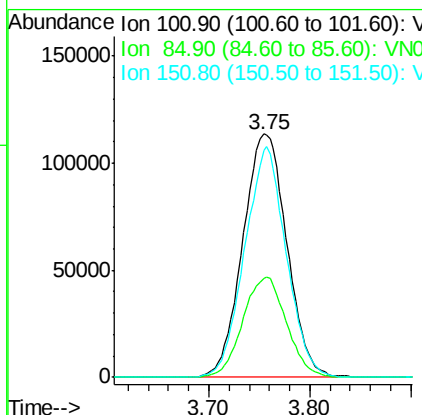
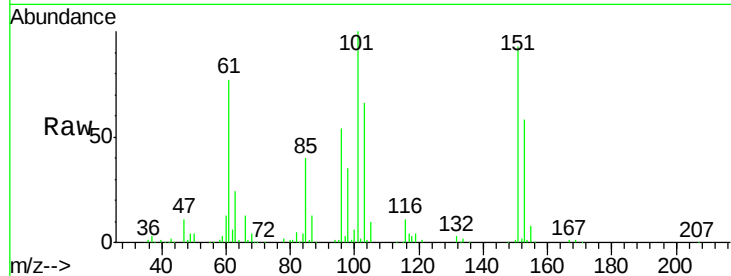
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	344497
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.7	49.1
151	89.4	69.1	103.7

Manual Integrations
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8/21/2019 9:45:28 AM



#10

Methyl Iodide

Concen: 50.480 ug/l

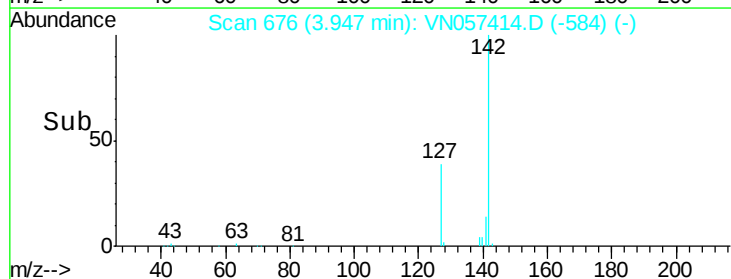
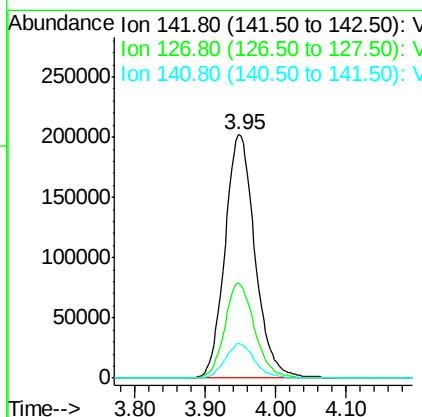
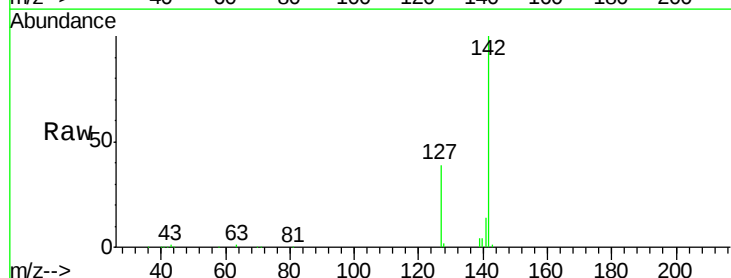
RT: 3.95 min Scan# 676

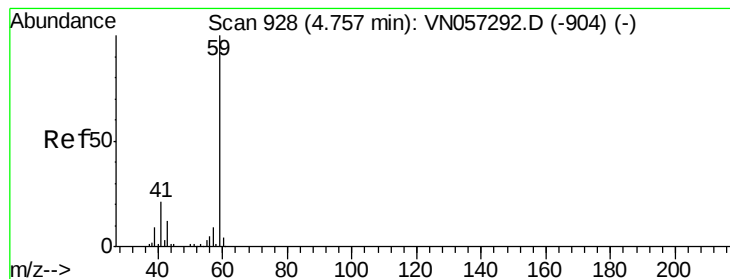
Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Tgt Ion:	142	Resp:	600714
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.6	47.4
141	14.0	11.2	16.8





#11

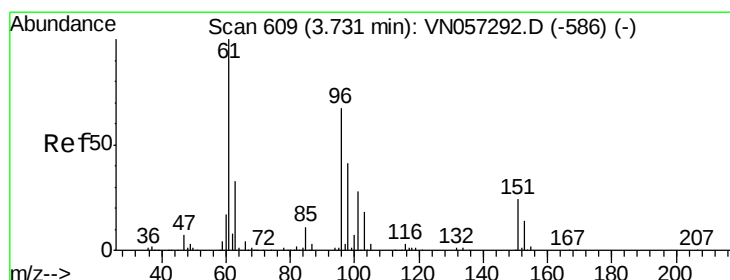
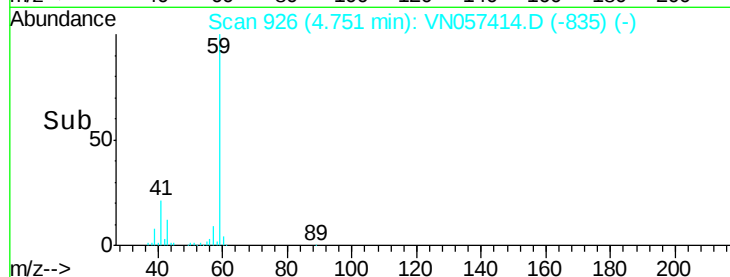
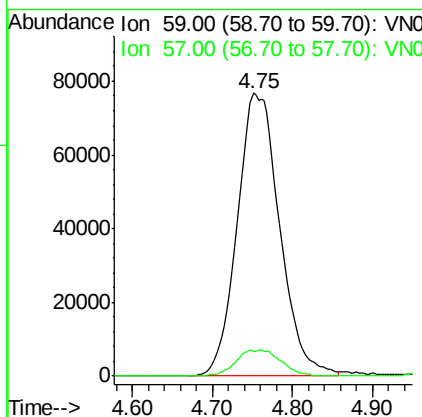
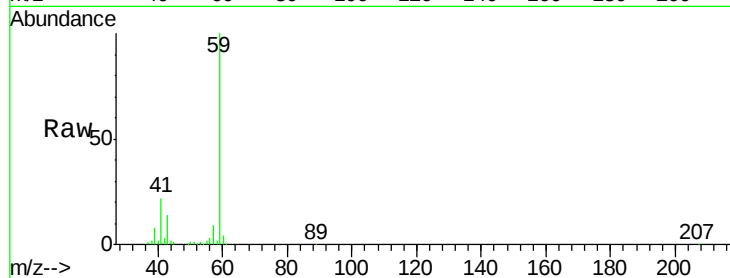
Tert butyl alcohol
Concen: 212.198 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.01 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	277259		
57	4.6		8.2	12.2#

Manual Integrations
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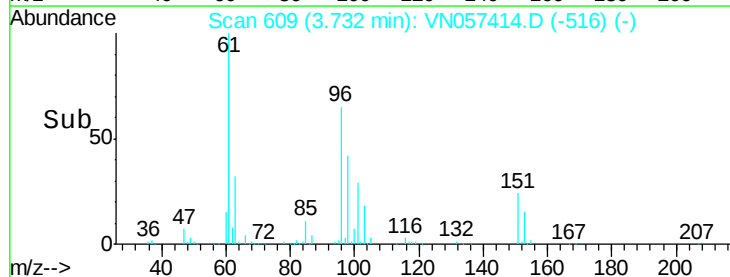
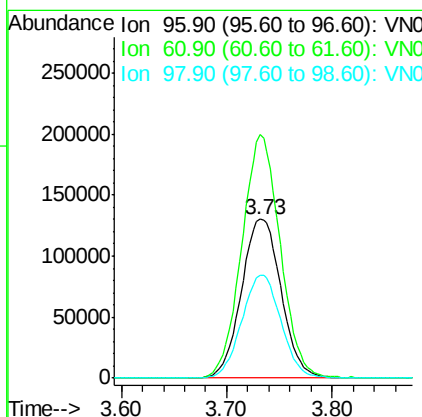
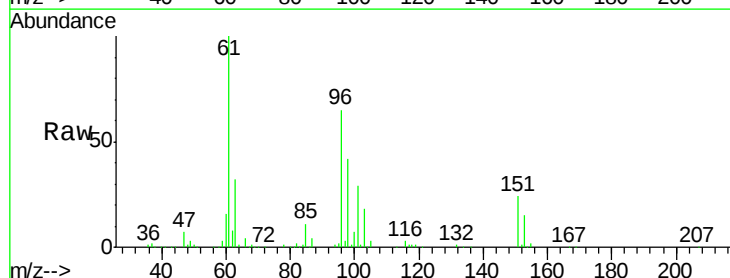
MMDadoda
8/21/2019 9:45:28 AM

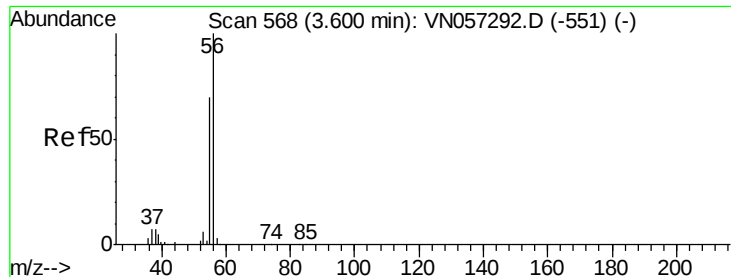


#12

1,1-Dichloroethene
Concen: 46.029 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	341435		
61	153.3		119.7	179.5
98	64.7		49.0	73.4





#13

Acrolein

Concen: 138.424 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 109797

Ion Ratio Lower Upper

56 100

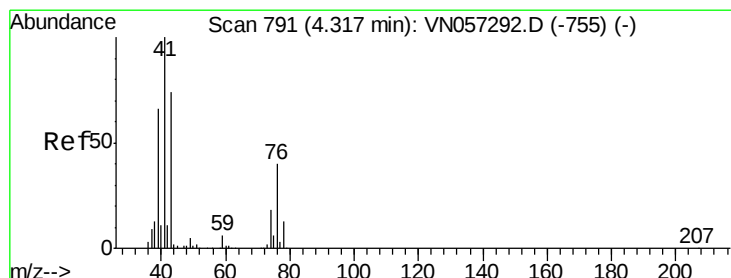
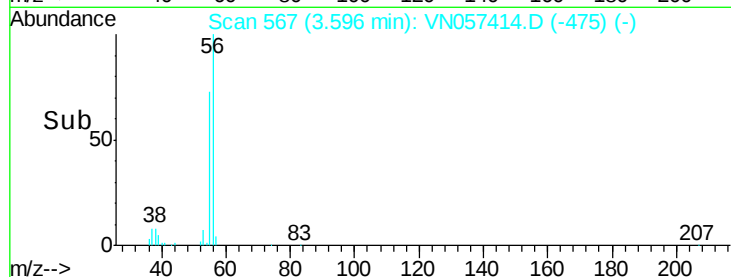
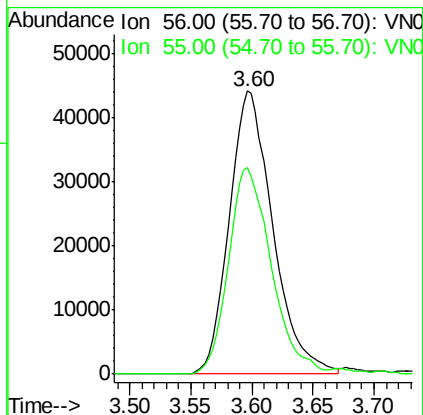
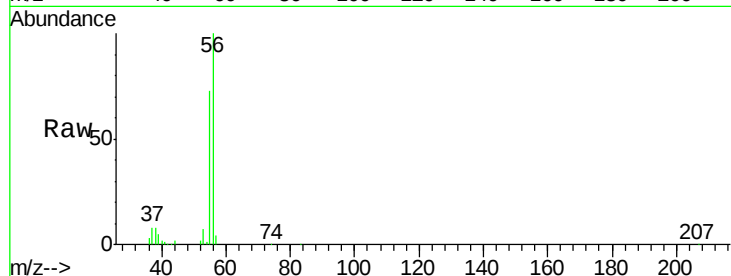
55 71.4 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 43.021 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

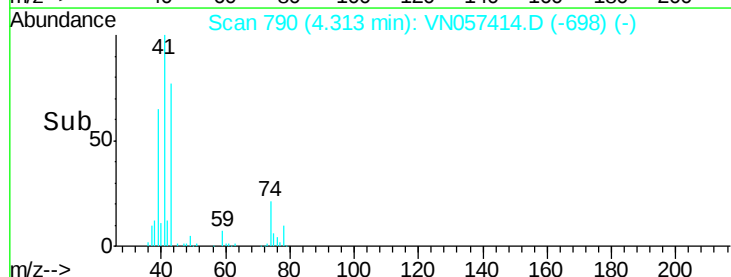
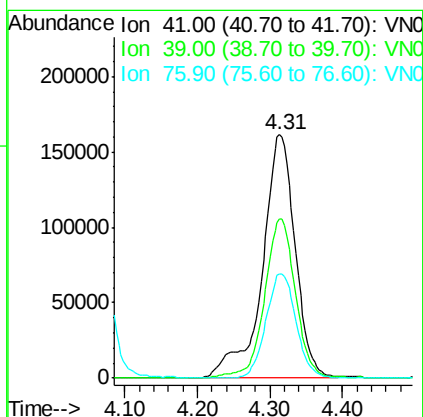
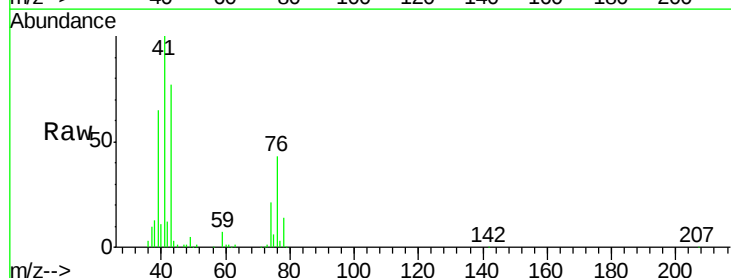
Tgt Ion: 41 Resp: 511532

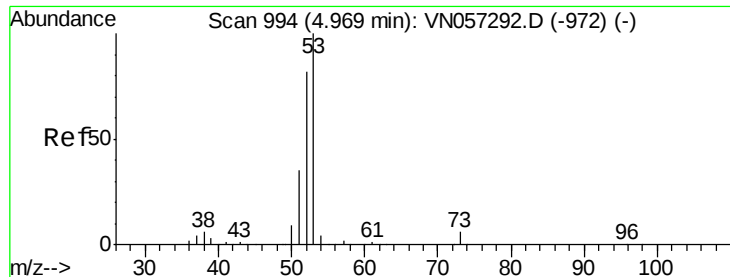
Ion Ratio Lower Upper

41 100

39 61.0 49.0 73.6

76 38.6 29.0 43.4





#15

Acrylonitrile

Concen: 221.948 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

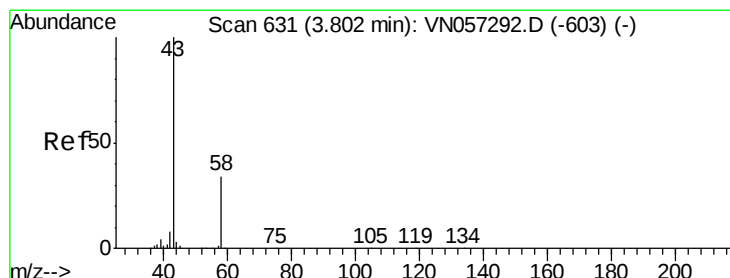
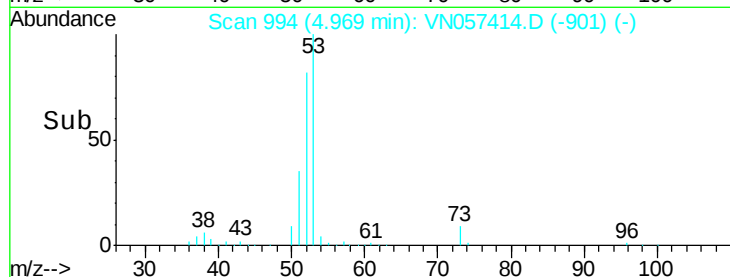
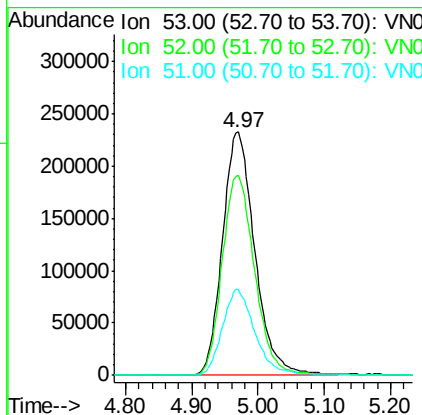
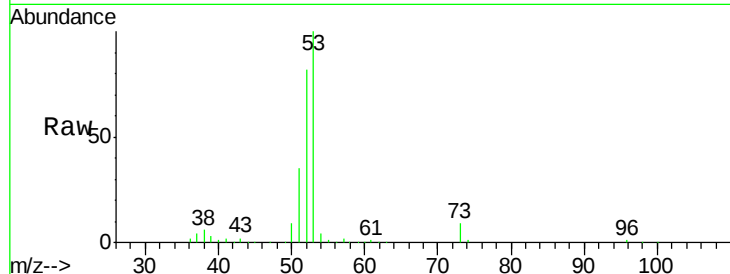
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	787317
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.2	99.2
51	35.6	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 188.152 ug/l

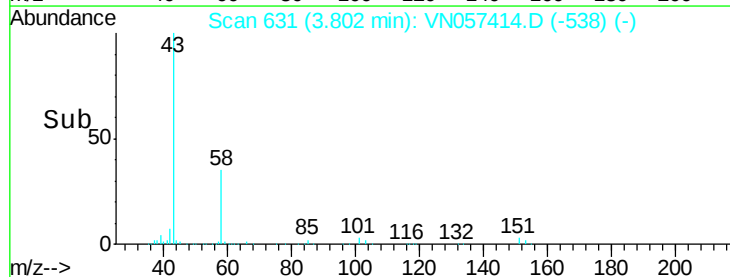
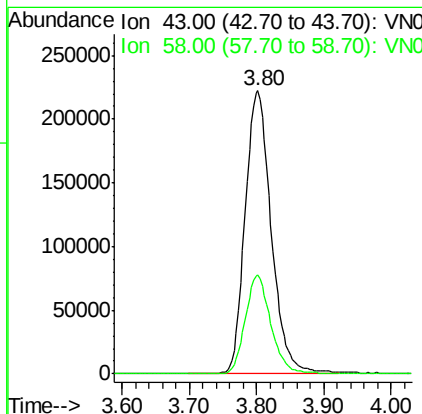
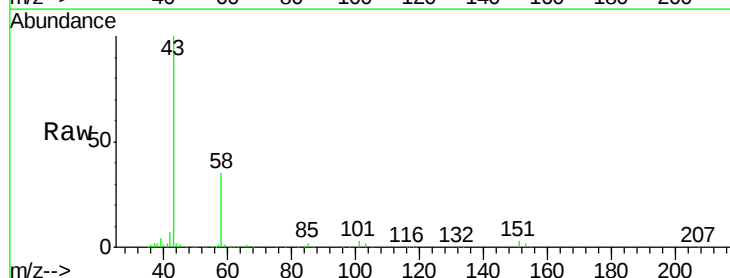
RT: 3.80 min Scan# 631

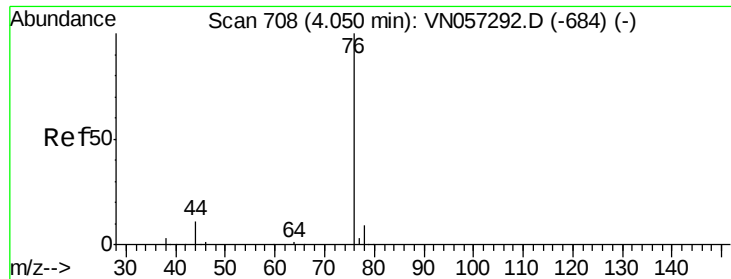
Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Tgt Ion:	43	Resp:	599878
Ion Ratio	Lower	Upper	
43	100		
58	34.8	27.0	40.6





#17

Carbon Disulfide

Concen: 42.821 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 855735

Ion Ratio Lower Upper

76 100

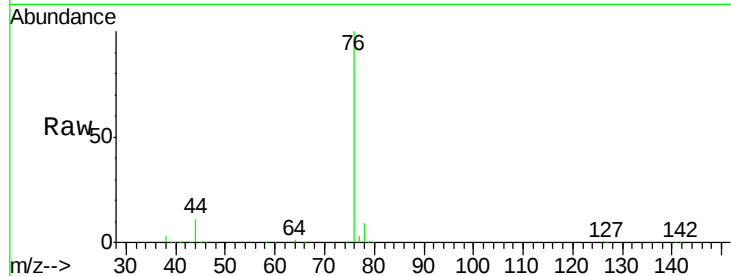
78 9.3 7.0 10.6

Manual Integrations

APPROVED

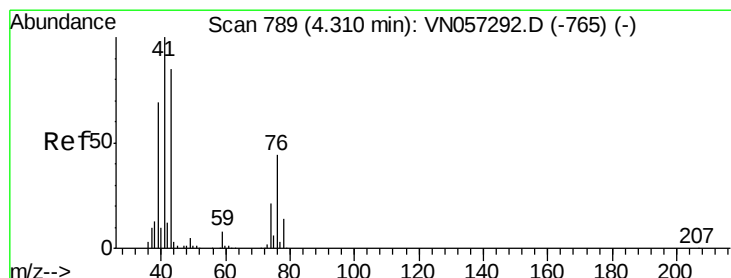
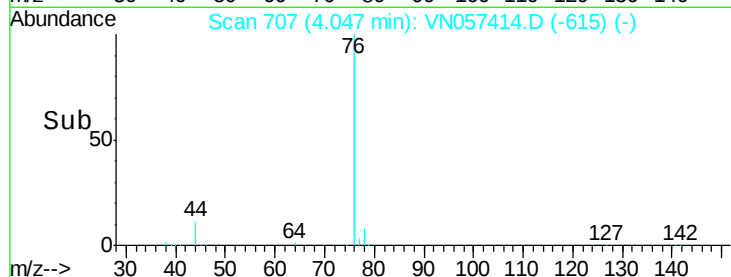
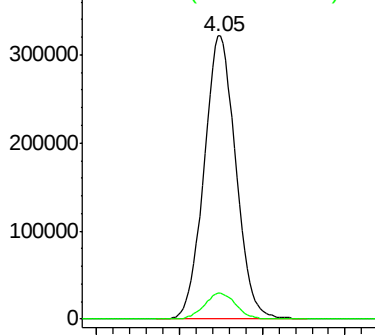
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 44.165 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057414.D

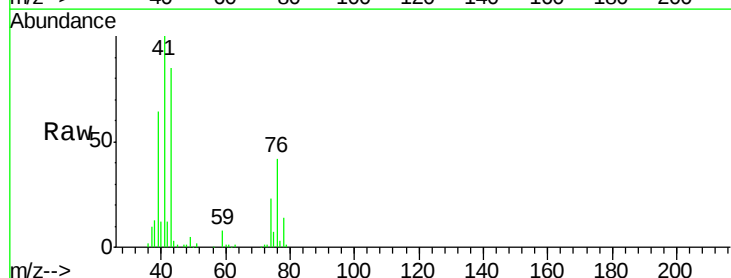
Acq: 19 Aug 2019 21:36

Tgt Ion: 43 Resp: 378653

Ion Ratio Lower Upper

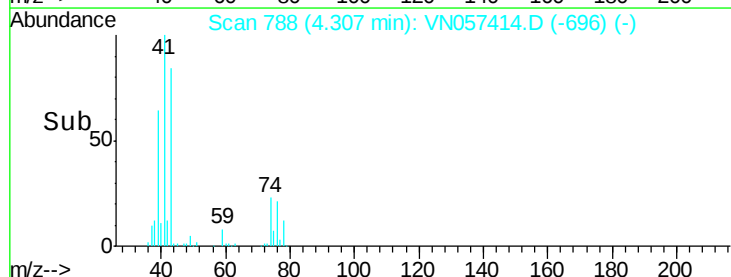
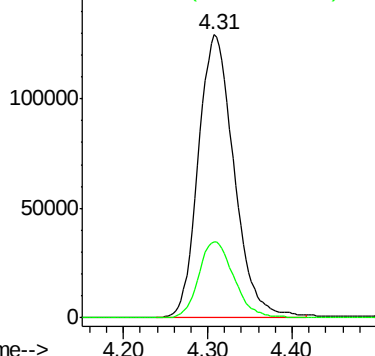
43 100

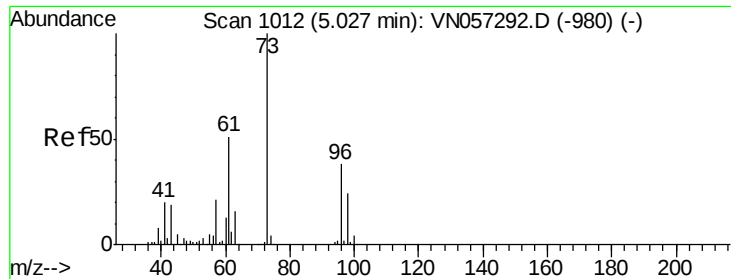
74 26.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

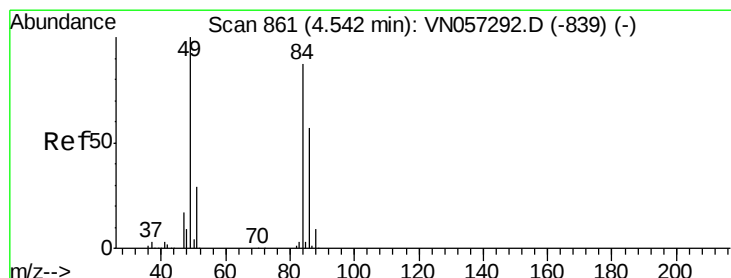
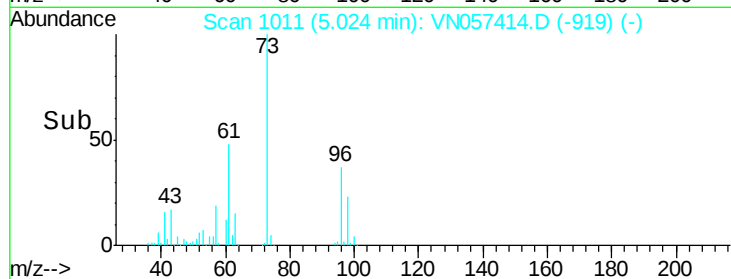
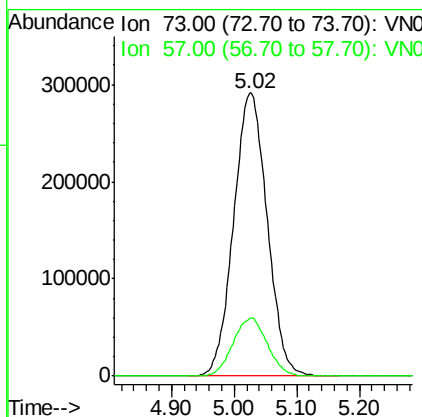
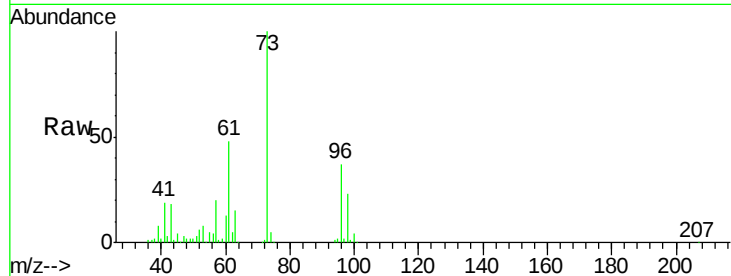
Methyl tert-butyl Ether
 Concen: 46.499 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1082270
 Ion Ratio Lower Upper
 73 100
 57 20.3 16.9 25.3

Manual Integrations
 APPROVED

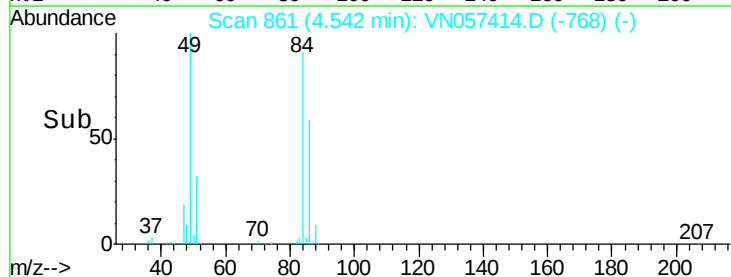
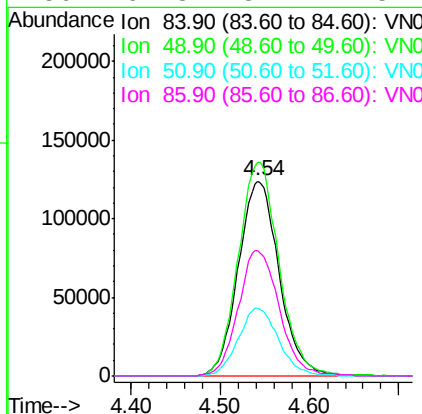
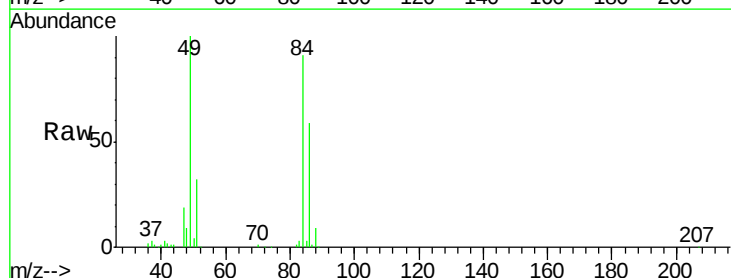
MMDadoda
 8/21/2019 9:45:28 AM

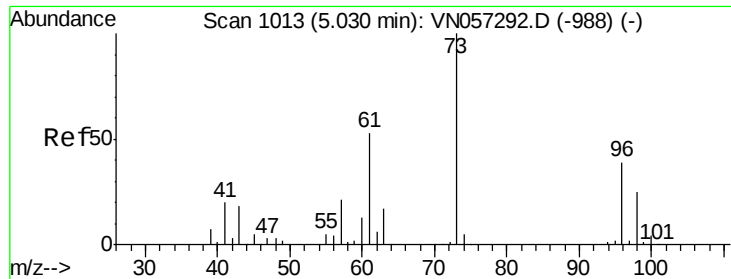


#20

Methylene Chloride
 Concen: 44.037 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Tgt Ion: 84 Resp: 392833
 Ion Ratio Lower Upper
 84 100
 49 109.6 92.0 138.0
 51 34.8 27.1 40.7
 86 64.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 46.151 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

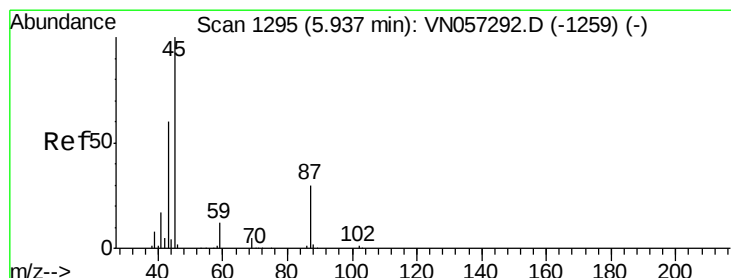
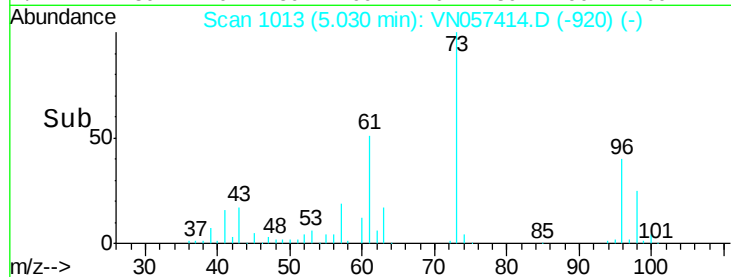
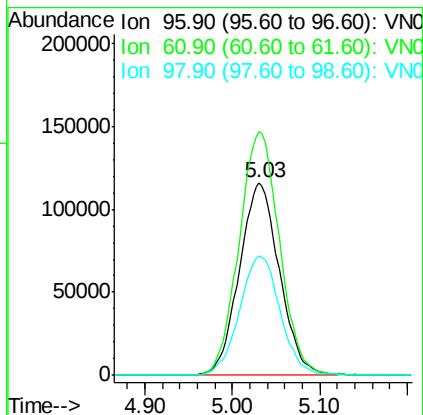
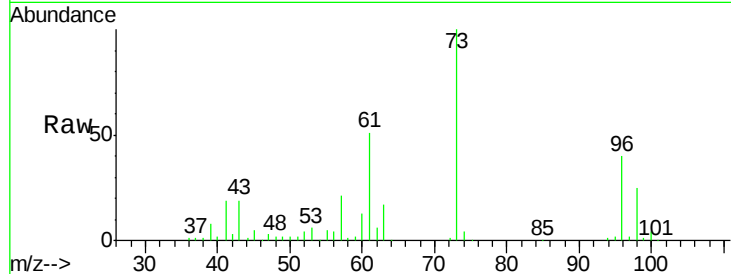
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	368148
Ion	Ratio	Lower	Upper
96	100		
61	126.4	109.5	164.3
98	62.1	51.0	76.6

Manual Integrations
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MMDadoda
8/21/2019 9:45:28 AM



#22

Diisopropyl ether

Concen: 44.331 ug/l

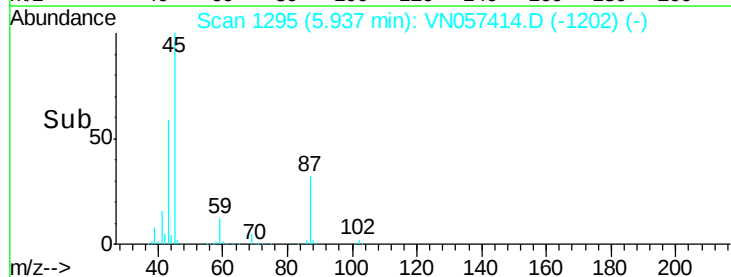
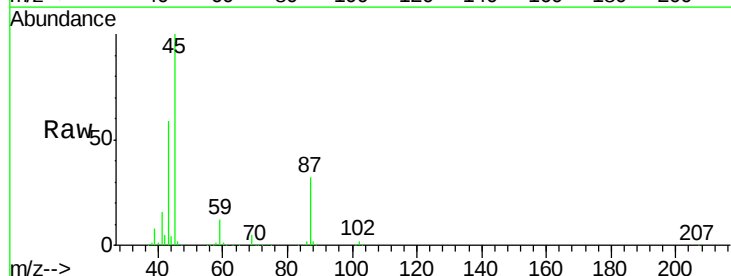
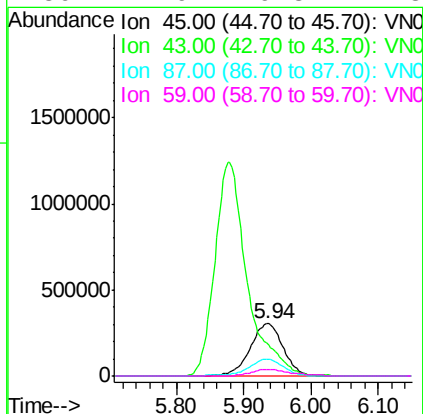
RT: 5.94 min Scan# 1295

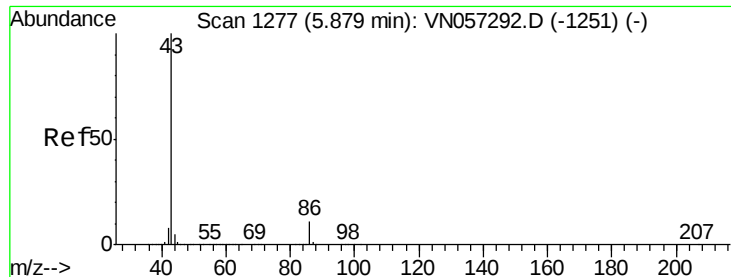
Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Tgt Ion:	45	Resp:	1041282
Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.3	72.5
87	31.5	24.6	36.8
59	11.9	9.8	14.8





#23

Vinyl Acetate

Concen: 219.565 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4150639

Ion Ratio Lower Upper

43 100

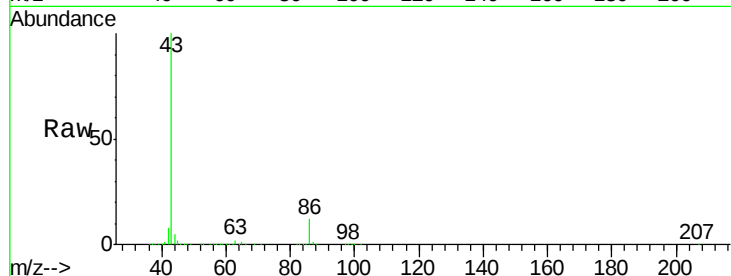
86 11.7 8.7 13.1

Manual Integrations

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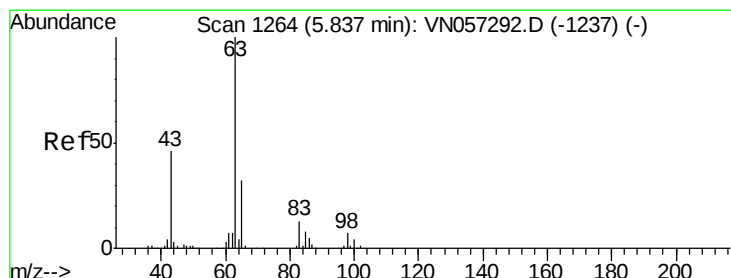
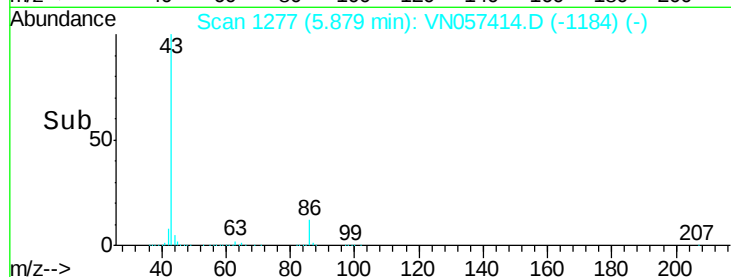
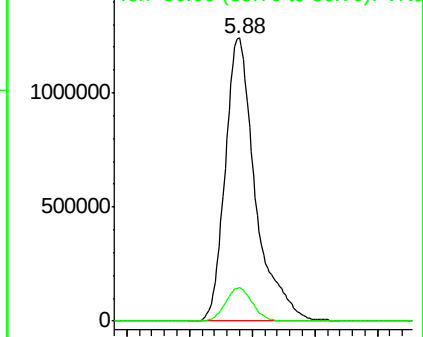
MMDadoda

8/21/2019 9:45:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.052 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

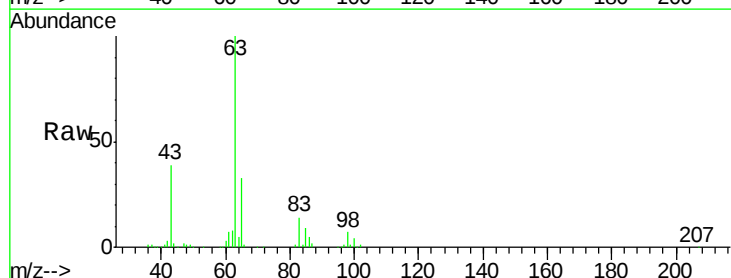
Tgt Ion: 63 Resp: 651049

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

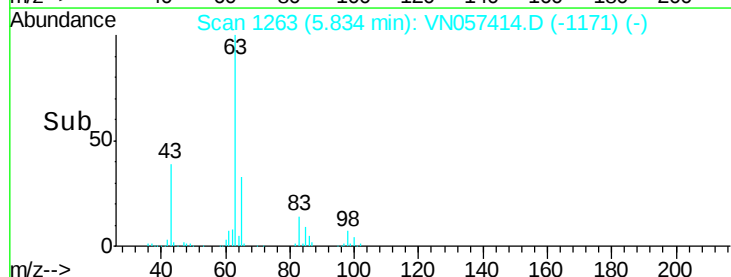
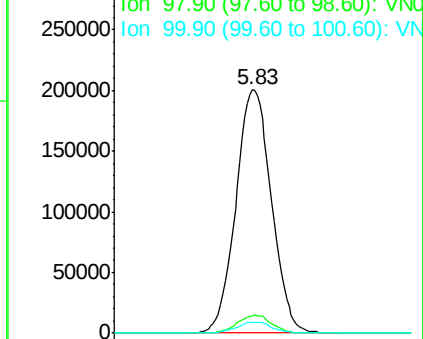
100 4.4 2.1 6.5

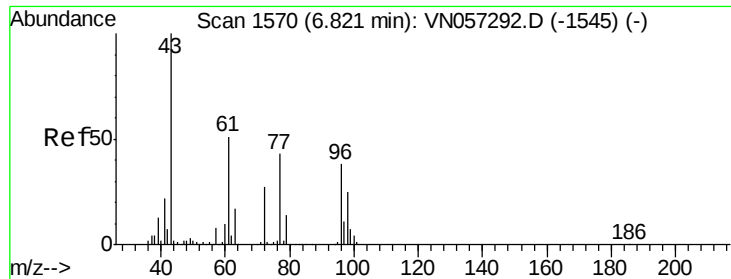


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 205.780 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Tot Ion: 43 Resp: 950076

Ion Ratio Lower Upper

43 100

72 30.5 21.5 32.3

Instrument :

MSVOA_N

ClientSampleId :

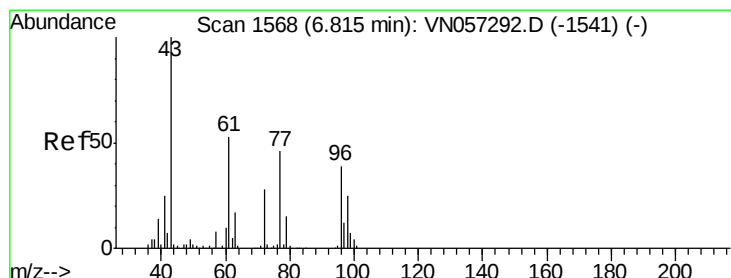
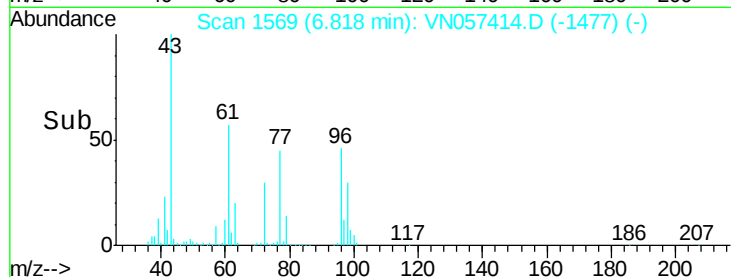
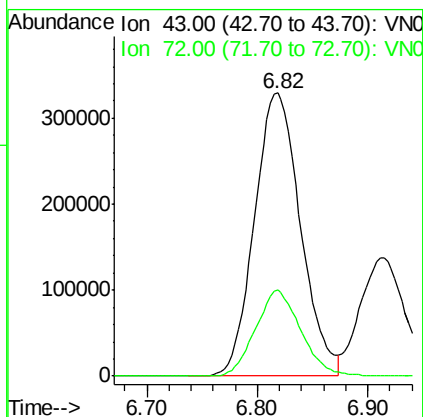
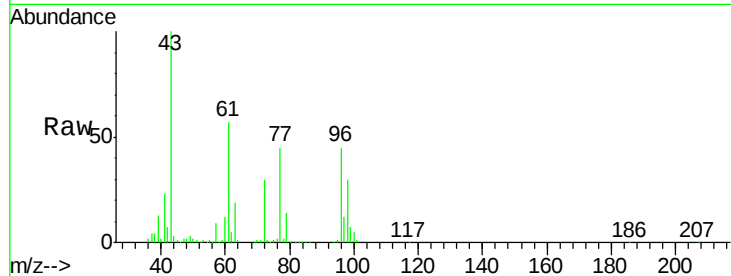
VSTDCCC050

Manual Integrations

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8/21/2019 9:45:28 AM



#26

2,2-Dichloropropane

Concen: 42.334 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057414.D

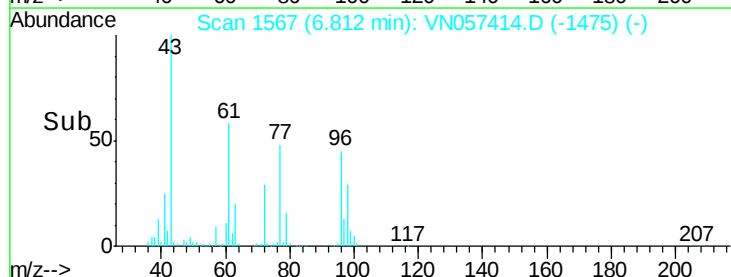
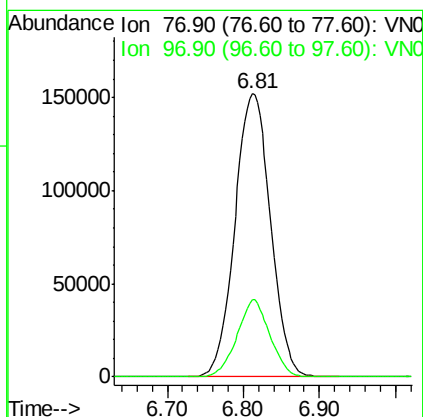
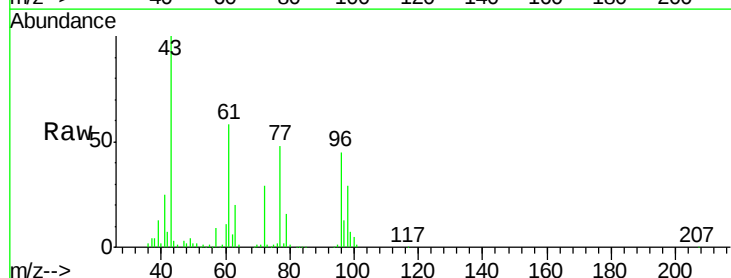
Acq: 19 Aug 2019 21:36

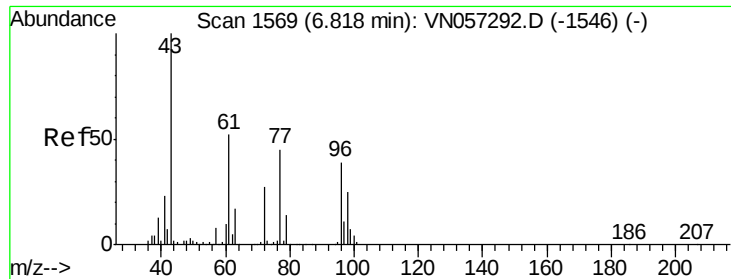
Tgt Ion: 77 Resp: 494417

Ion Ratio Lower Upper

77 100

97 25.1 12.3 36.9





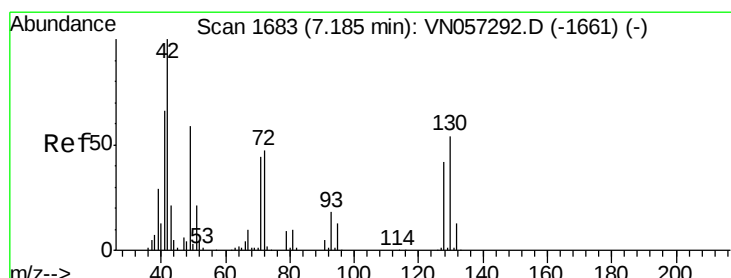
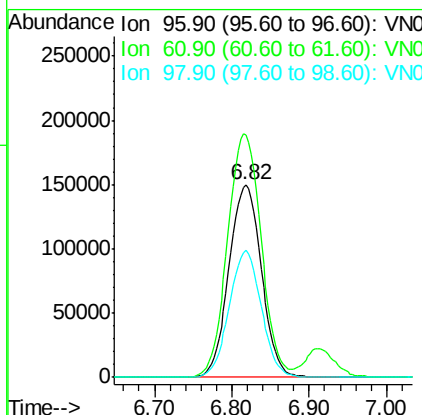
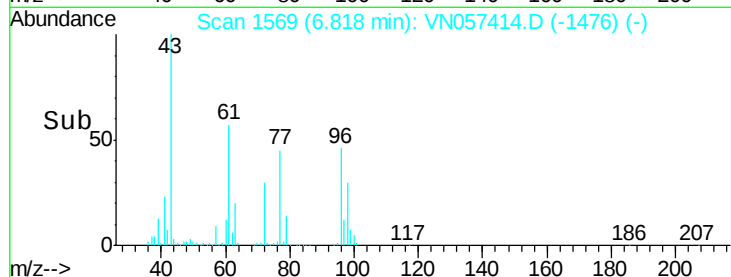
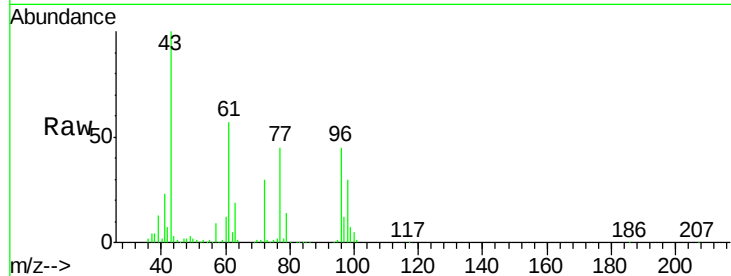
#27
 cis-1,2-Dichloroethene
 Concen: 46.369 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	437895		
61	130.4	0.0	272.0	
98	65.0	0.0	130.4	

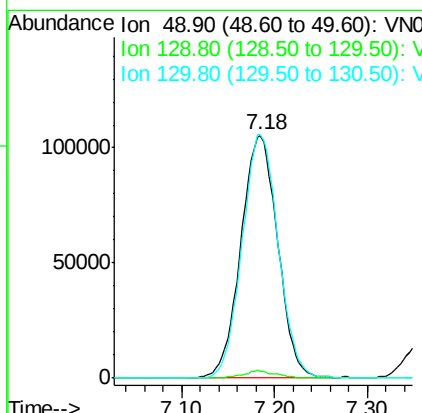
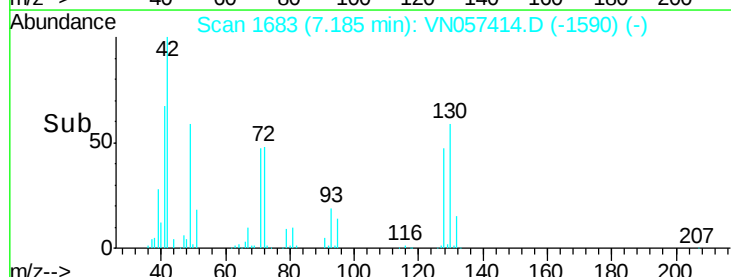
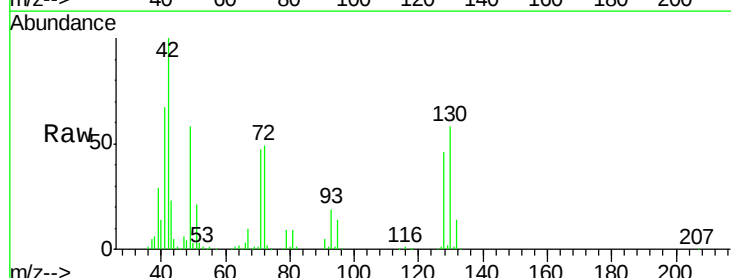
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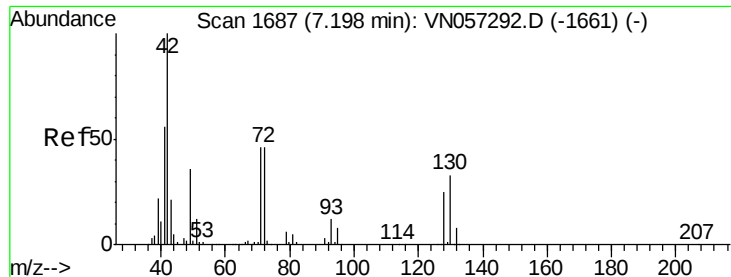
MMDadoda
 8/21/2019 9:45:28 AM



#28
 Bromochloromethane
 Concen: 45.314 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	290952		
129	2.7	0.0	2.0#	
130	98.9	73.2	109.8	





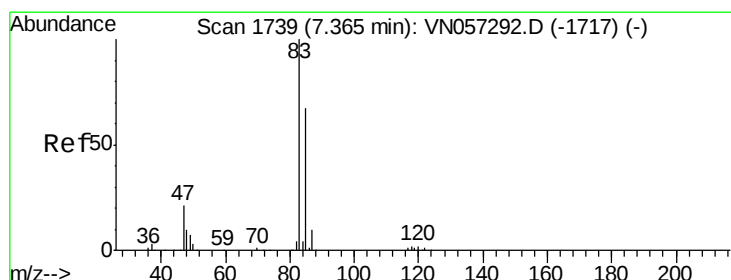
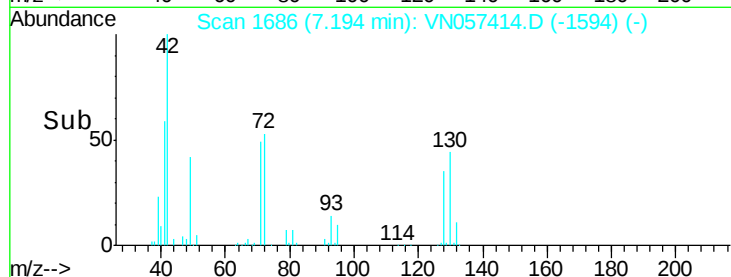
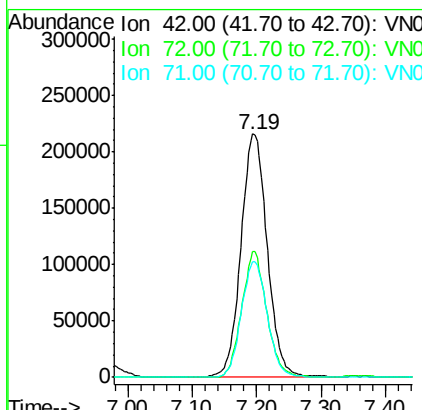
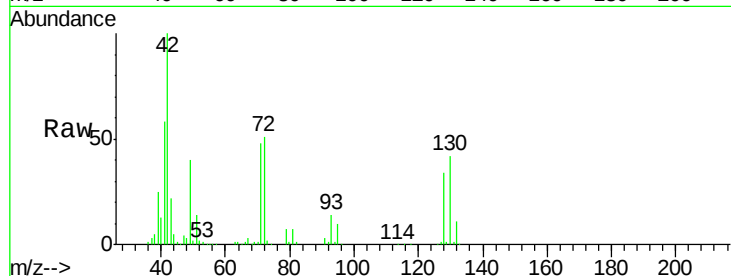
#29
Tetrahydrofuran
Concen: 209.465 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	37.8	56.6
71	46.9	35.7	53.5

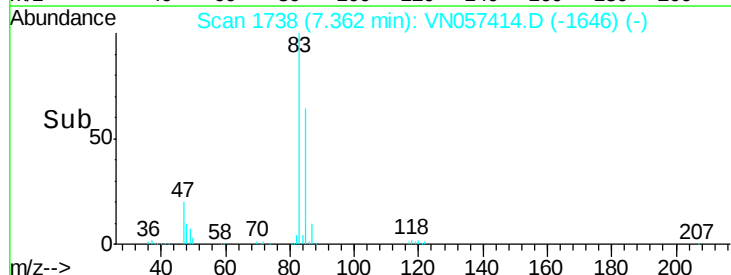
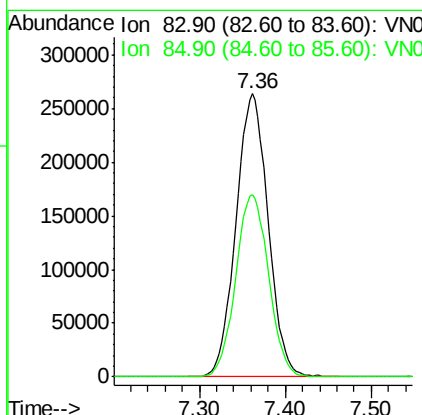
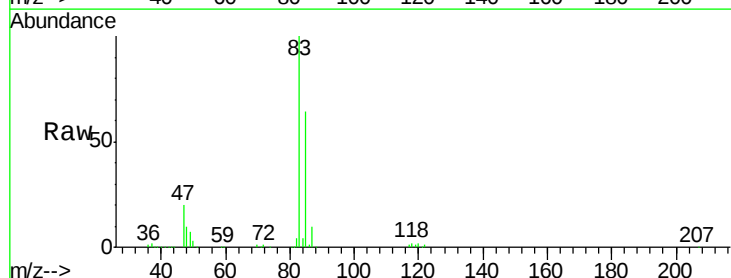
Manual Integrations
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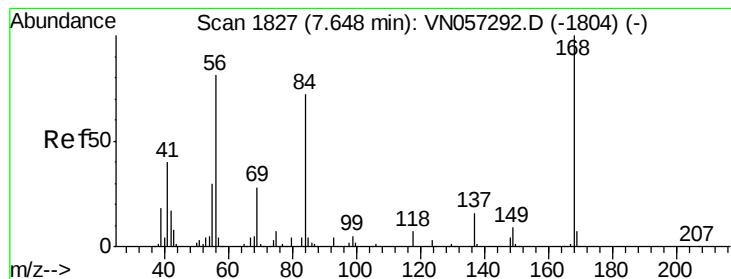
MMDadoda
8/21/2019 9:45:28 AM



#30
Chloroform
Concen: 45.229 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.3	79.9





#31

Cyclohexane

Concen: 41.779 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

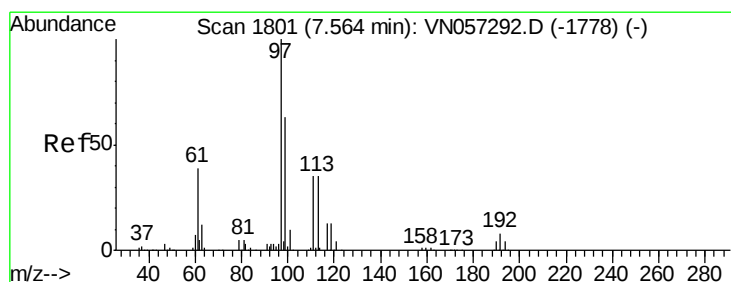
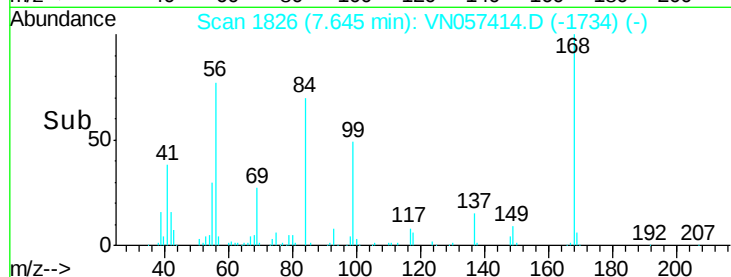
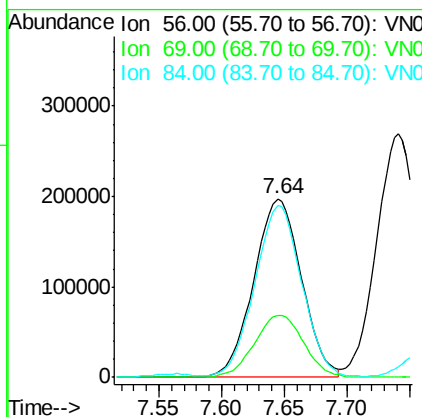
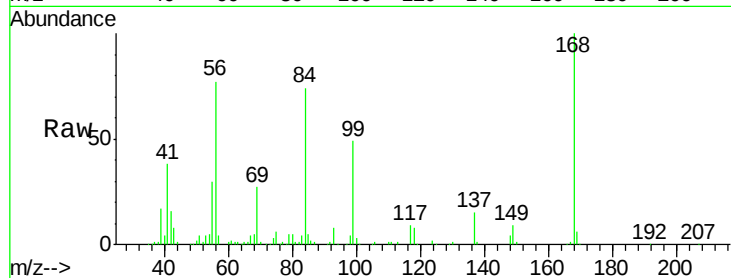
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	523205
Ion Ratio	Lower	Upper	
56	100		
69	35.0	27.3	40.9
84	94.6	71.0	106.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.915 ug/l

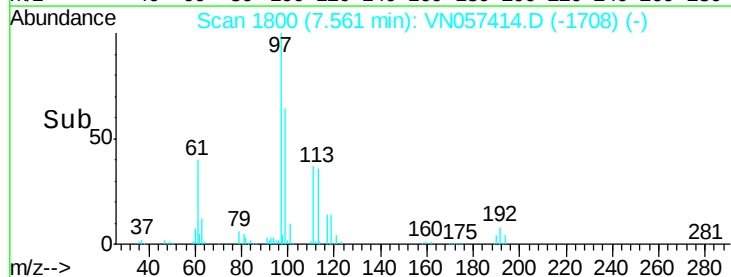
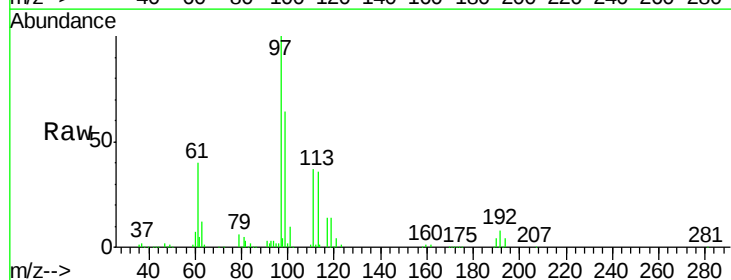
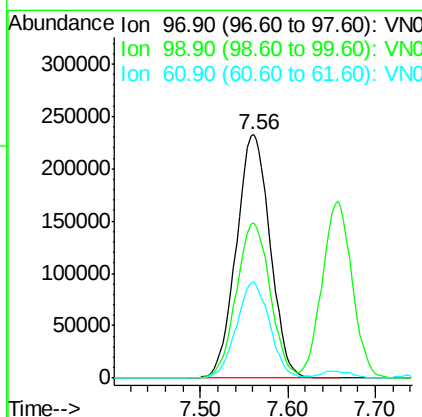
RT: 7.56 min Scan# 1800

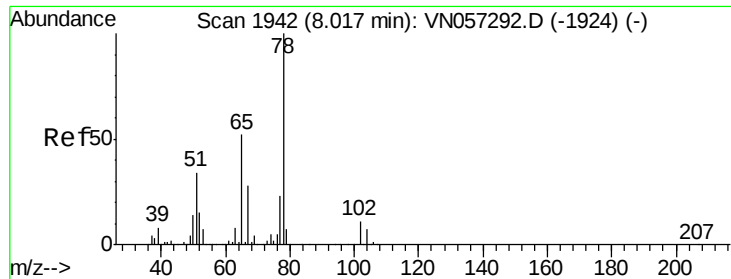
Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Tgt Ion:	97	Resp:	623048
Ion Ratio	Lower	Upper	
97	100		
99	64.1	50.3	75.5
61	38.8	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 48.892 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 449357

Ion Ratio Lower Upper

65 100

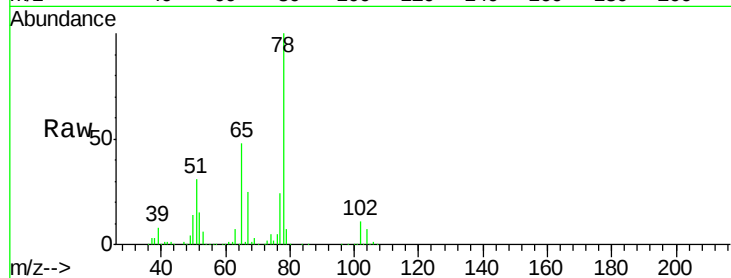
67 53.6 0.0 107.4

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Abundance Ion 64.90 (64.60 to 65.60): VN057414.D (-1849) (-)

Ion 66.90 (66.60 to 67.60): VN057414.D (-1849) (-)

8.02

200000

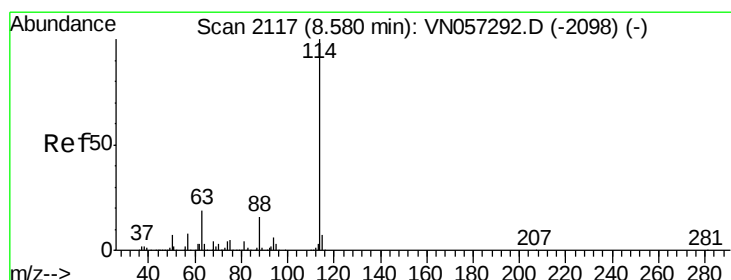
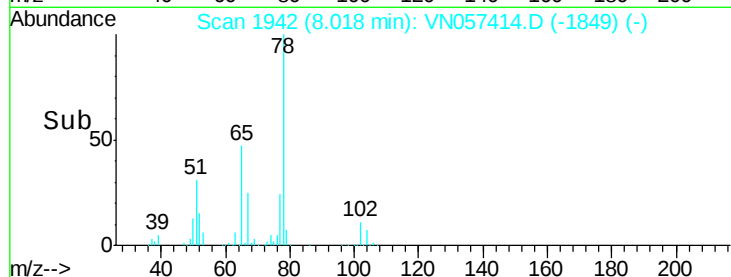
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

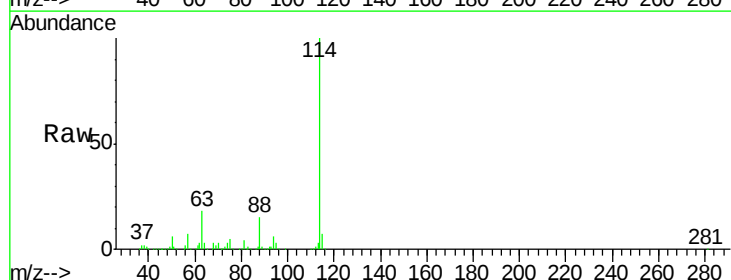
Tgt Ion: 114 Resp: 1223999

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.8

88 15.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN057414.D (-2024) (-)

Ion 63.00 (62.70 to 63.70): VN057414.D (-2024) (-)

Ion 87.90 (87.60 to 88.60): VN057414.D (-2024) (-)

8.58

800000

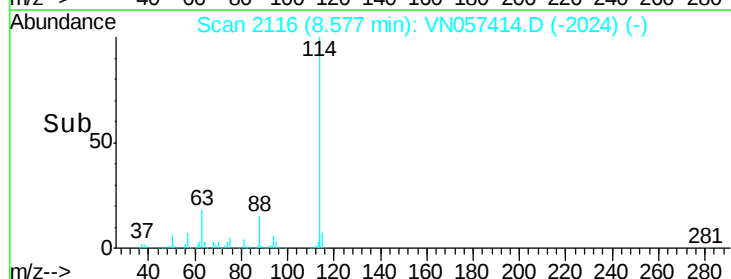
600000

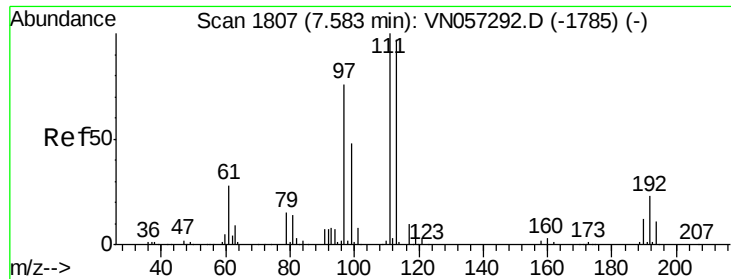
400000

200000

0

Time-->





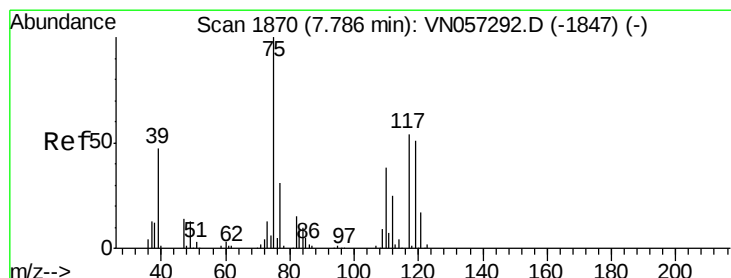
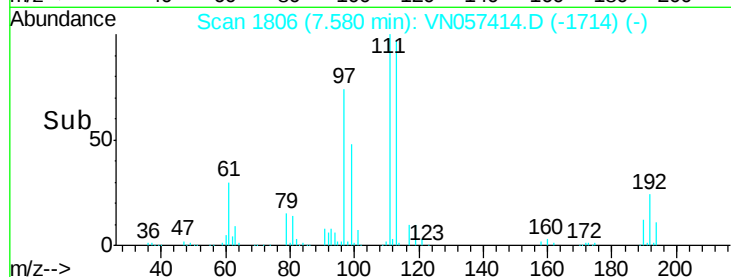
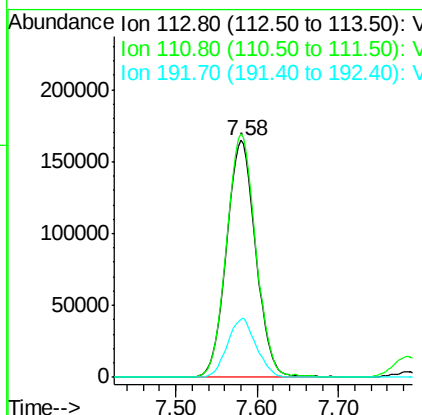
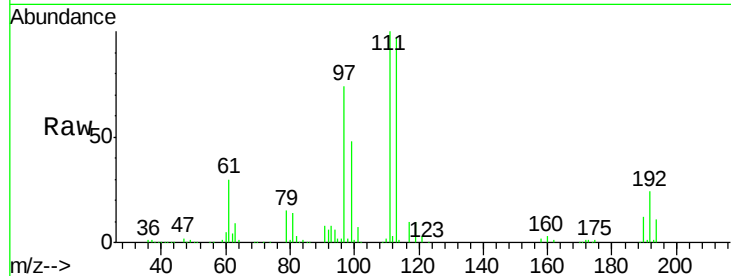
#35
Dibromofluoromethane
Concen: 51.808 ug/l
RT: 7.58 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	415687		
111	101.9	82.1	123.1	
192	24.4	19.3	28.9	

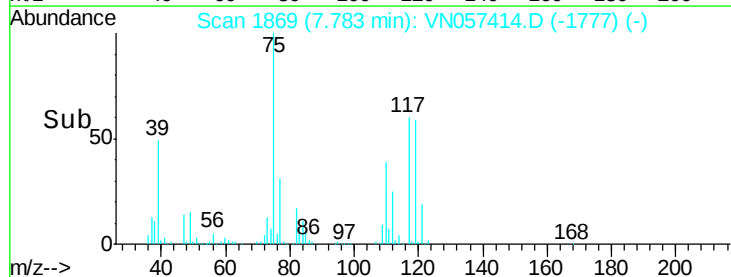
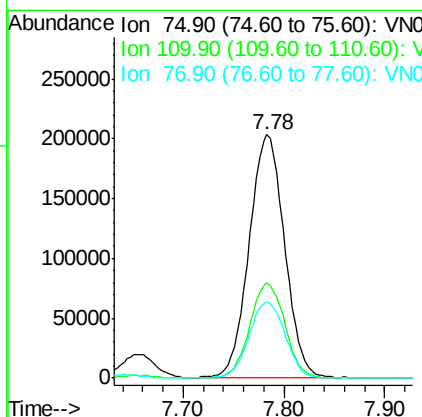
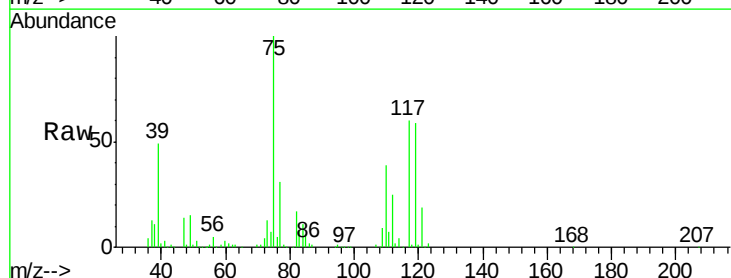
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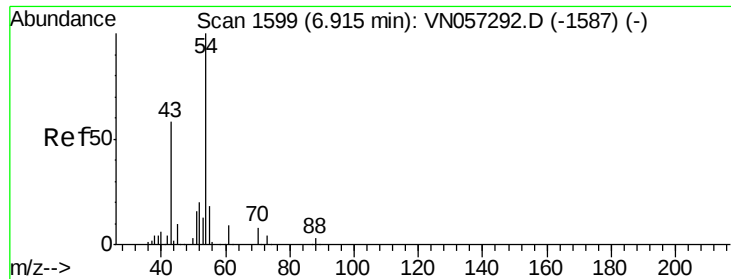
MMDadoda
8/21/2019 9:45:28 AM



#36
1,1-Dichloropropene
Concen: 45.631 ug/l
RT: 7.78 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	493143		
110	39.0	19.5	58.5	
77	32.3	25.0	37.6	





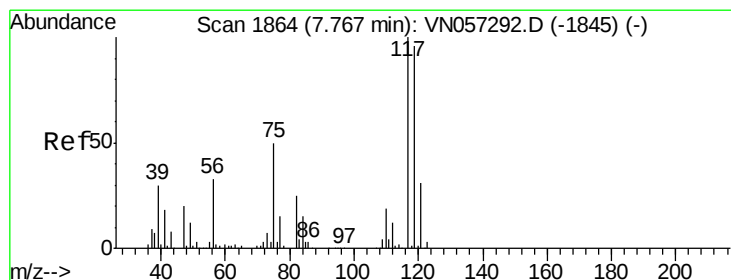
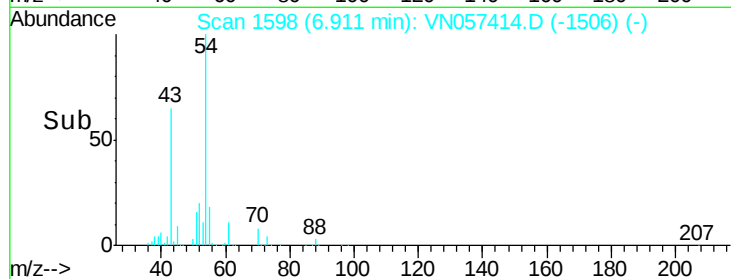
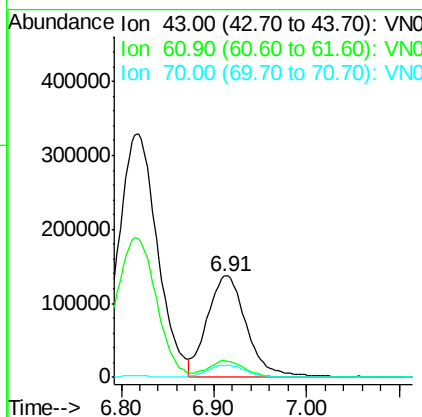
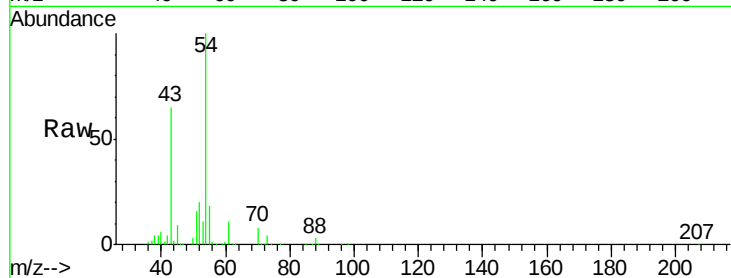
#37
Ethyl Acetate
Concen: 44.710 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.0	18.0
70	12.0	9.2	13.8

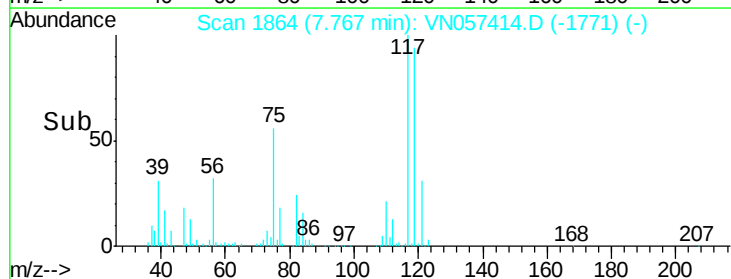
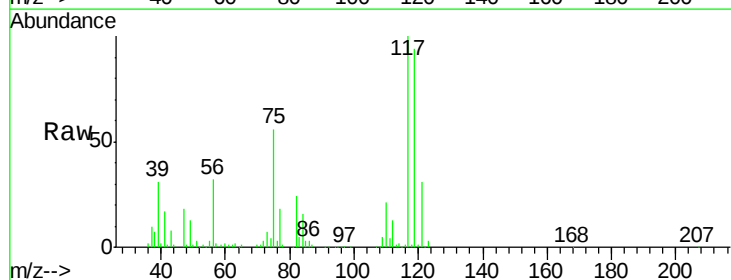
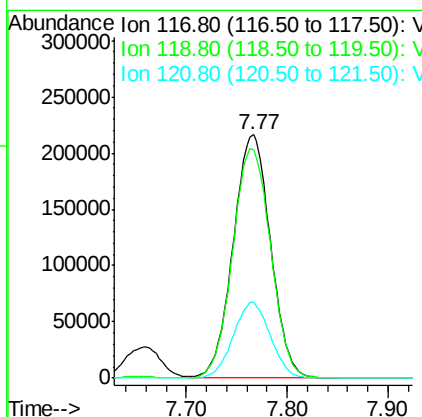
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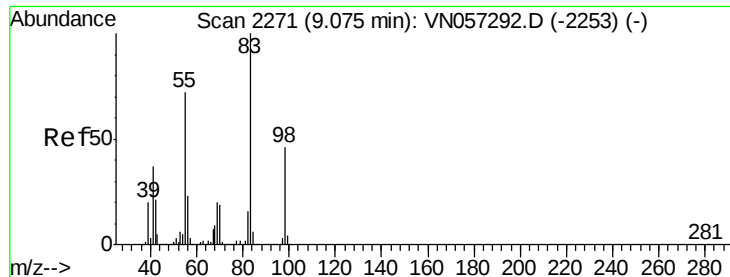
MMDadoda
8/21/2019 9:45:28 AM



#38
Carbon Tetrachloride
Concen: 49.422 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.8	115.2
121	31.0	25.0	37.4





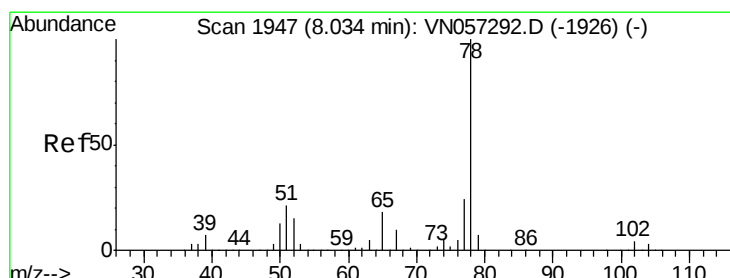
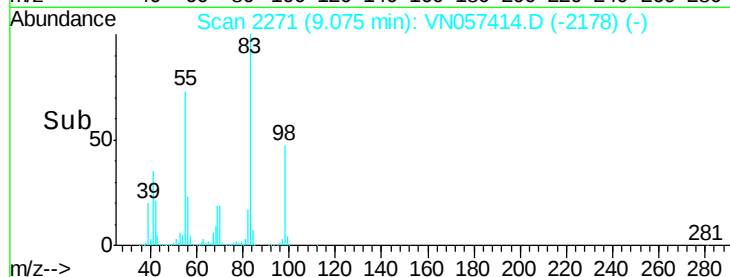
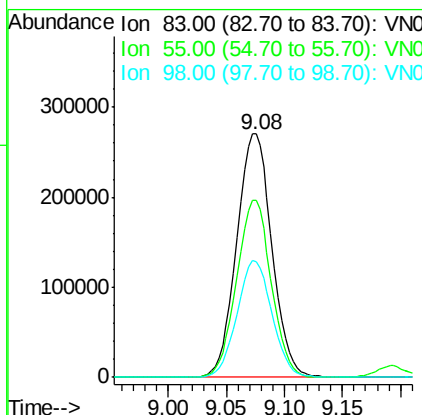
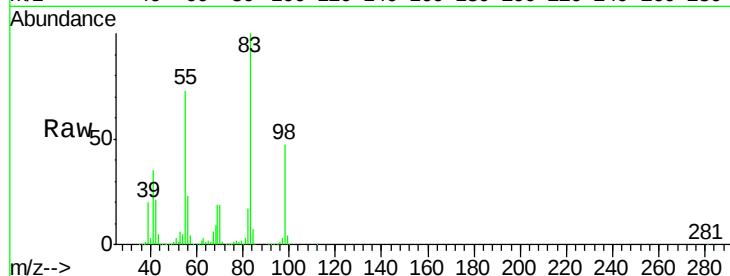
#39
Methvlcvclohexane
Concen: 45.249 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	571003
Ion Ratio	Lower	Upper	
83	100		
55	72.8	57.5	86.3
98	47.2	36.6	55.0

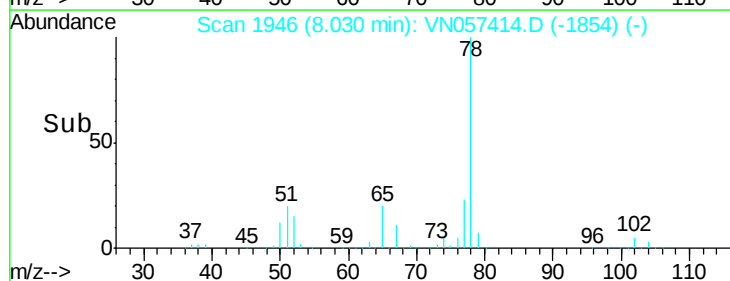
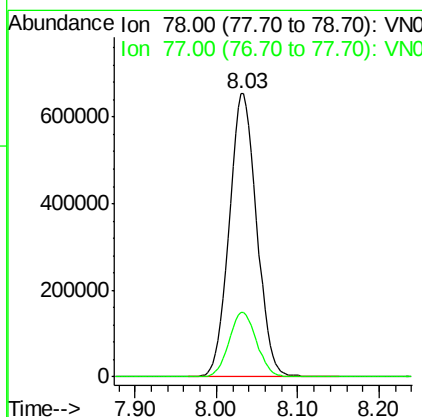
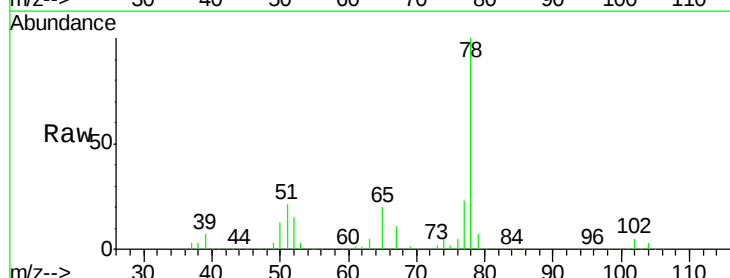
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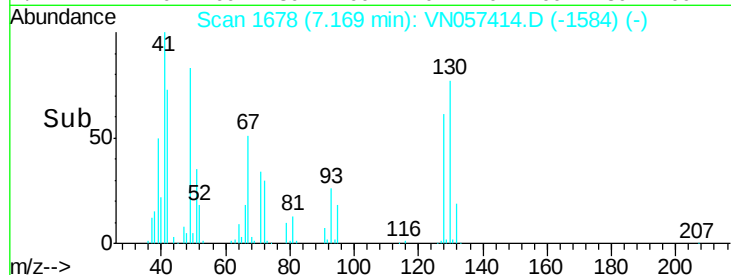
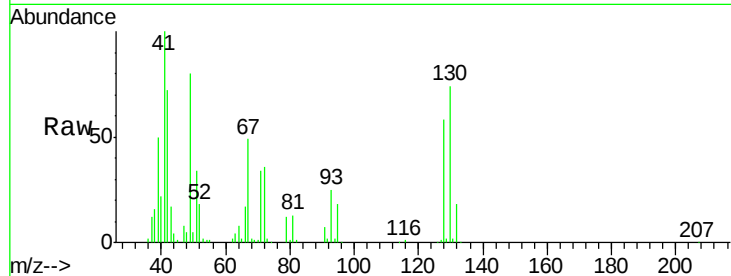
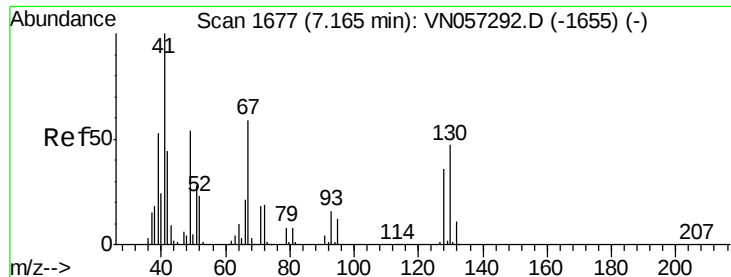
MMDadoda
8/21/2019 9:45:28 AM



#40
Benzene
Concen: 46.606 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	78	Resp	1540553
Ion Ratio	Lower	Upper	
78	100		
77	23.0	19.1	28.7





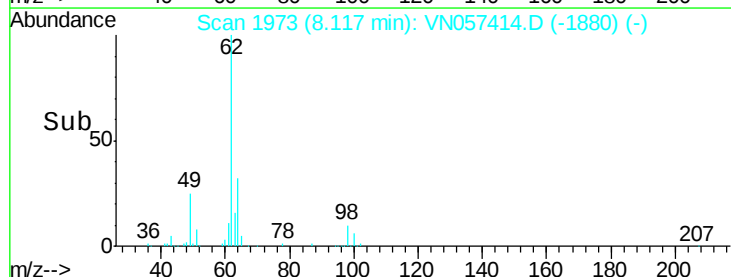
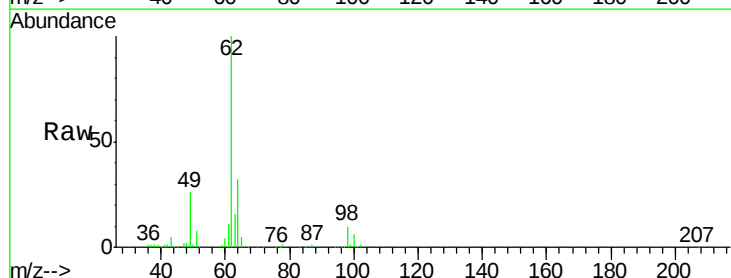
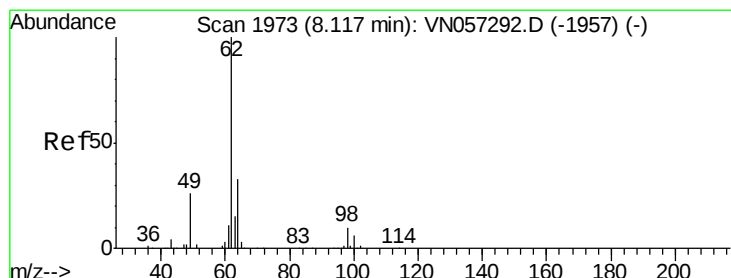
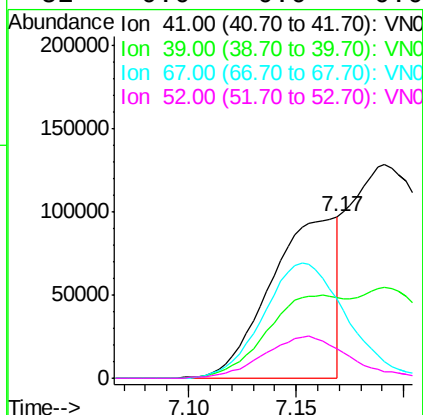
#41
Methacrylonitrile
Concen: 51.745 ug/l m
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tot Ion	Ratio	Resp 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

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

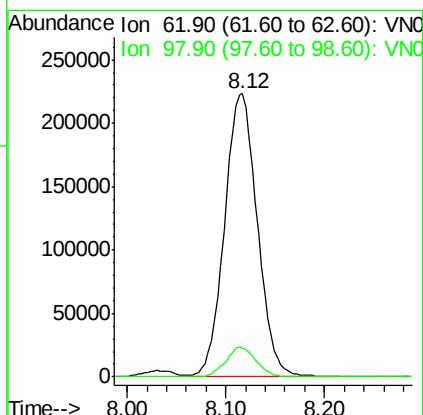
Manual Integrations
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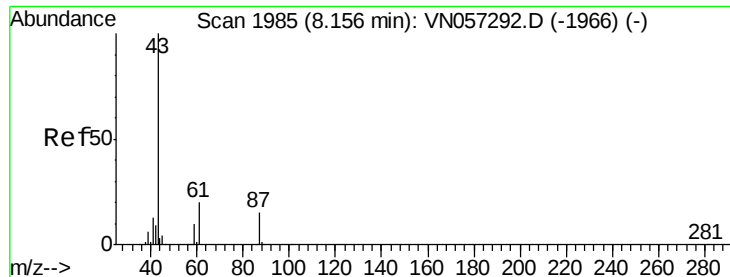
MMDadoda
8/21/2019 9:45:28 AM



#42
1,2-Dichloroethane
Concen: 46.992 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 47.111 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

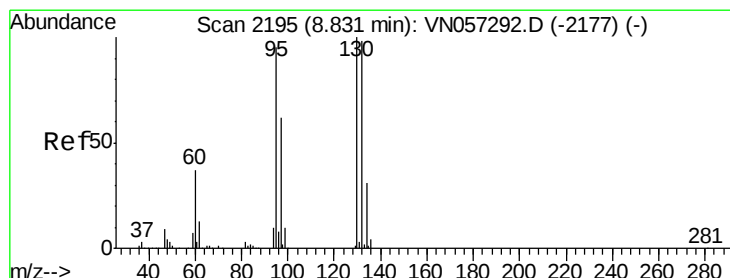
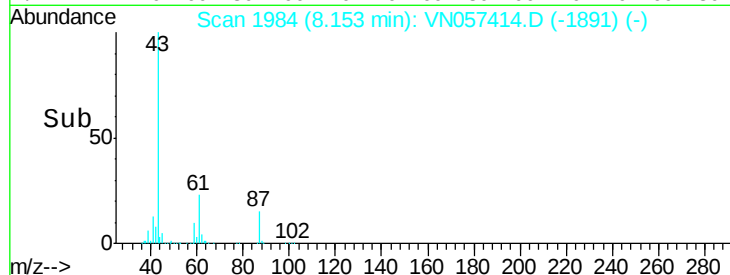
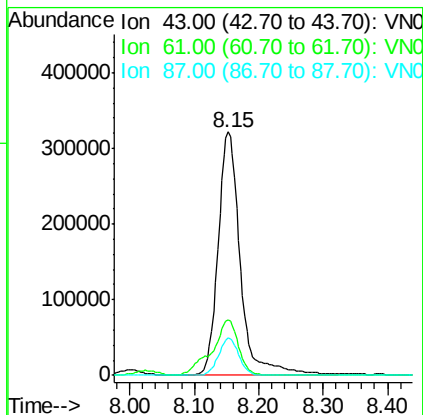
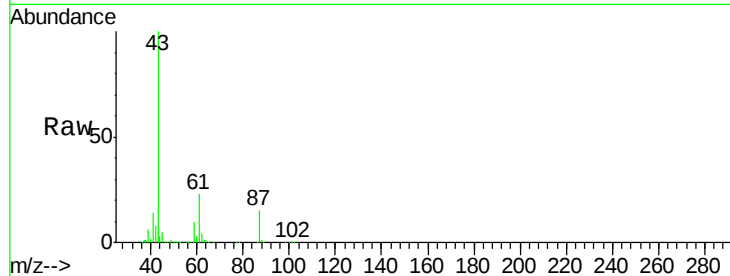
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	763666
Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.6	32.4
87	14.0	11.4	17.0

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#44

Trichloroethene

Concen: 48.647 ug/l

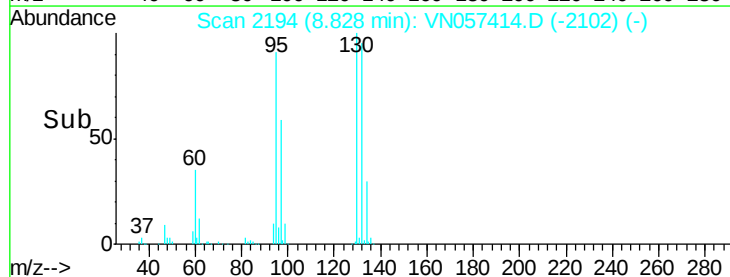
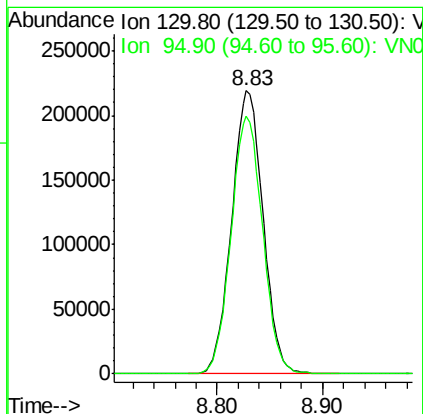
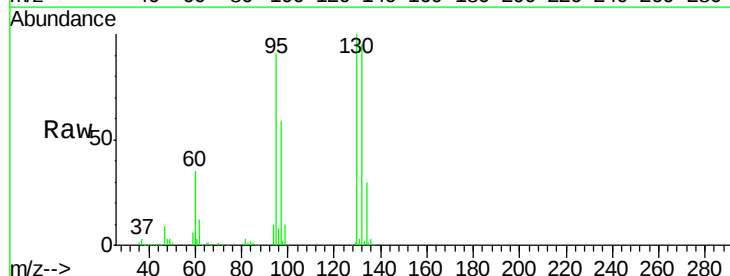
RT: 8.83 min Scan# 2194

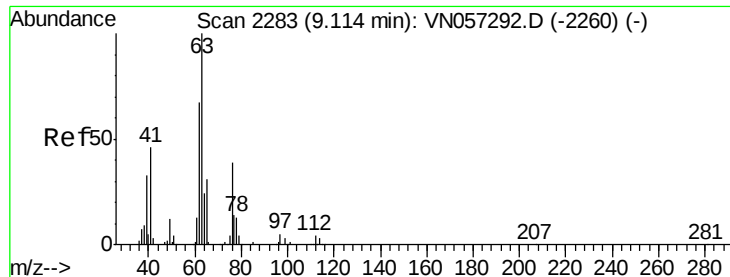
Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Tgt Ion:	130	Resp:	452084
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	189.2





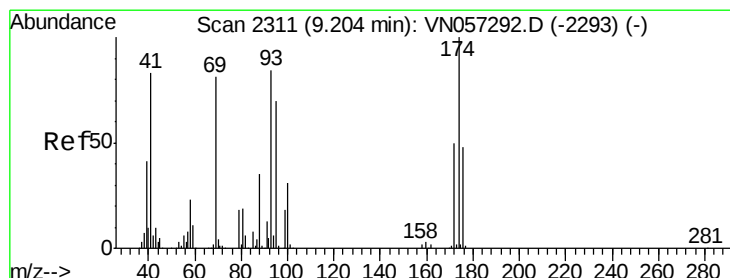
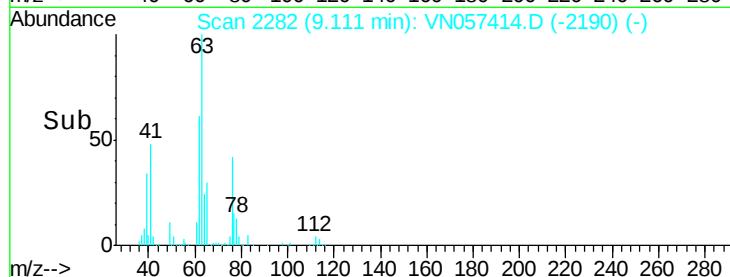
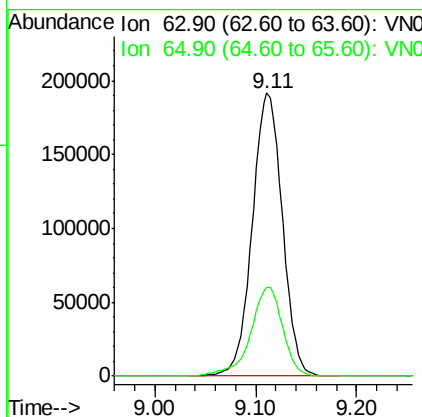
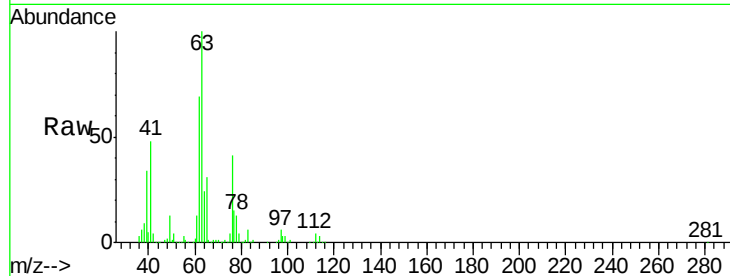
#45
 1,2-Dichloropropane
 Concen: 46.386 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.8	37.2

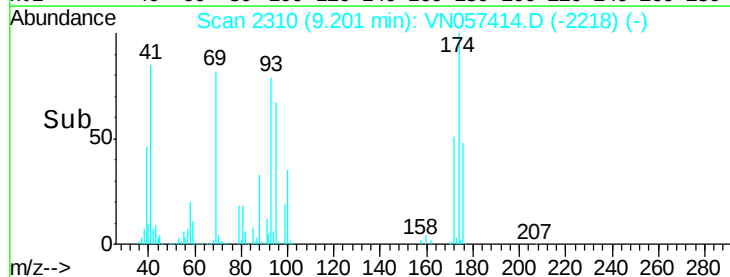
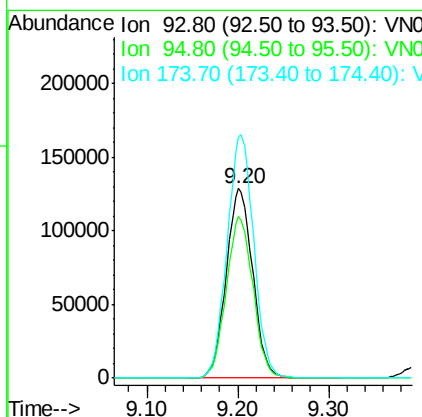
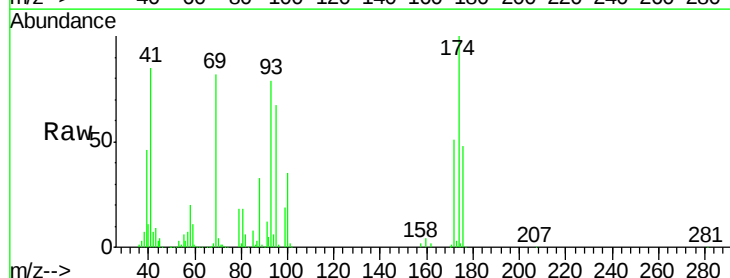
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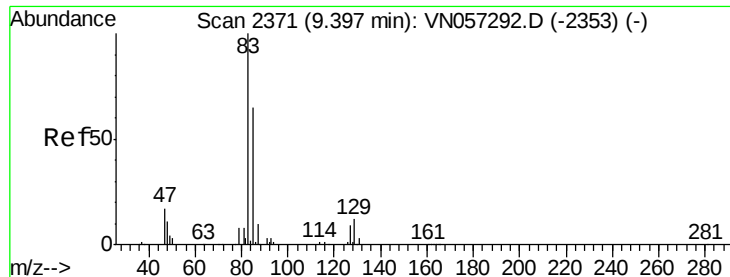
MMDadoda
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#46
 Dibromomethane
 Concen: 46.058 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.5	99.7
174	128.4	95.7	143.5





#47

Bromodichloromethane

Concen: 49.071 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

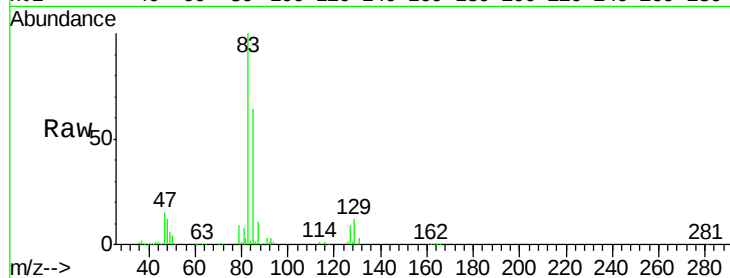
ClientSampleId :

VSTDCCC050

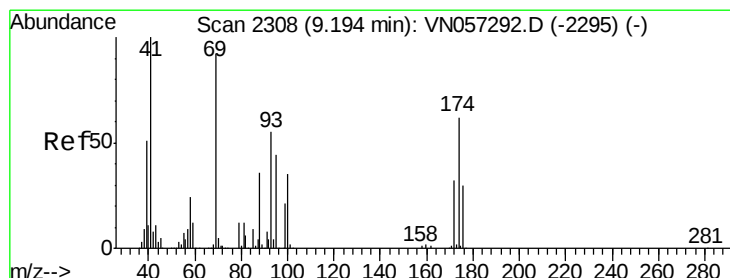
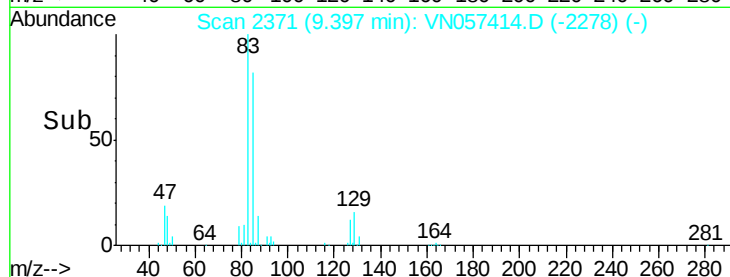
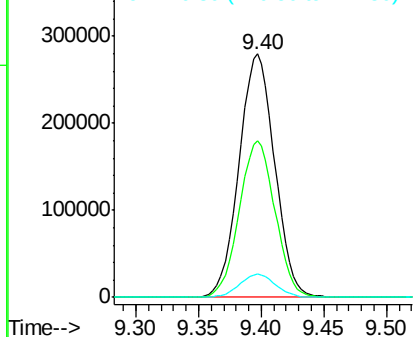
Tot Ion:	83	Resp:	552639
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.9	77.9
127	9.4	7.2	10.8

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



#48

Methyl methacrylate

Concen: 43.851 ug/l

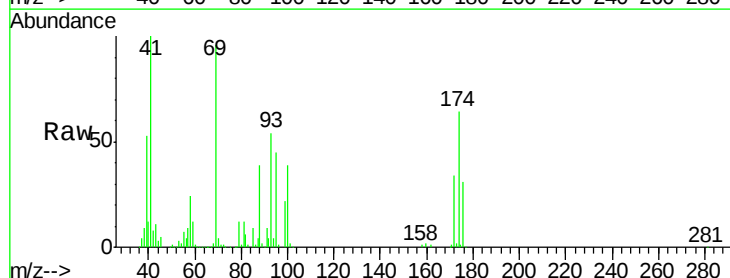
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

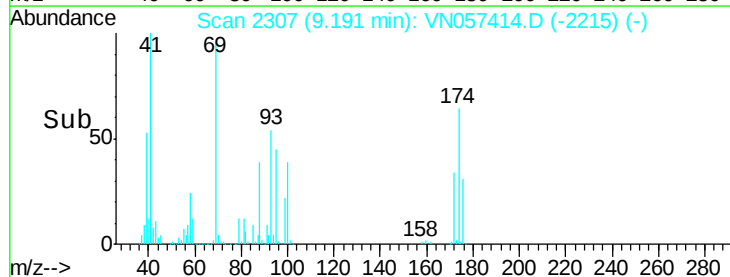
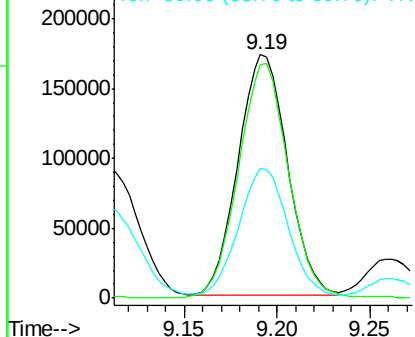
Lab File: VN057414.D

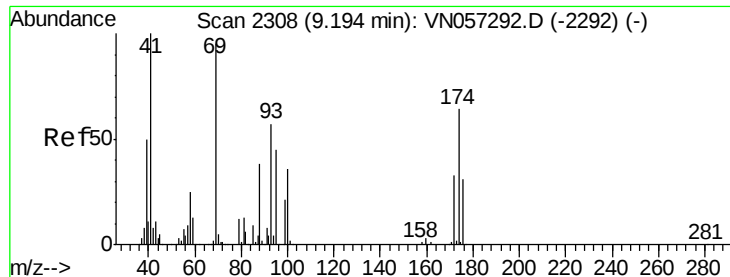
Acq: 19 Aug 2019 21:36

Tgt Ion:	41	Resp:	319630
Ion Ratio	Lower	Upper	
41	100		
69	99.5	75.9	113.9
39	54.9	42.3	63.5



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





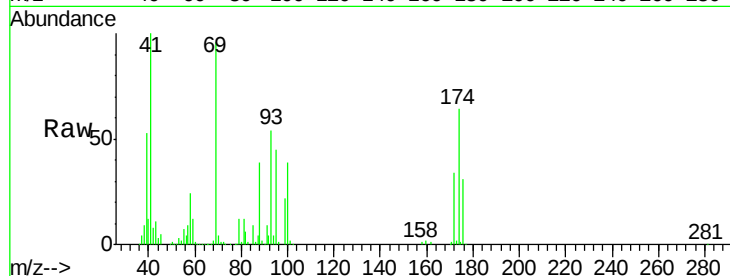
#49
1,4-Dioxane
Concen: 903.686 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.2	22.9	34.3
58	63.7	52.7	79.1

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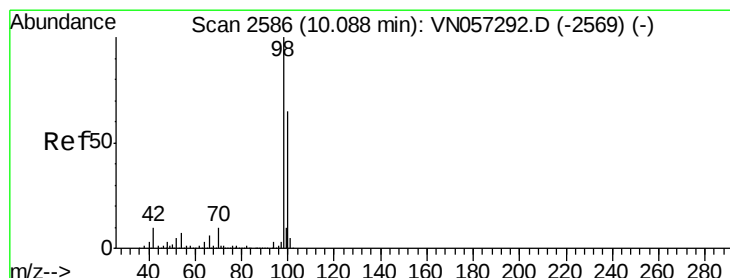
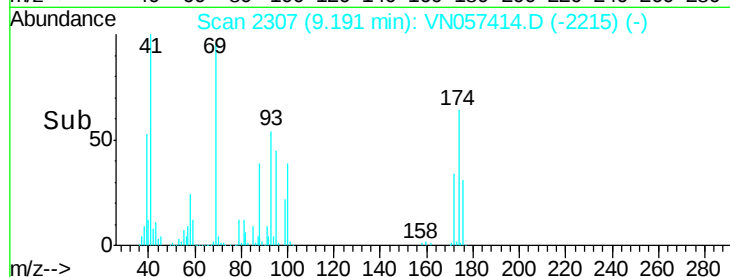
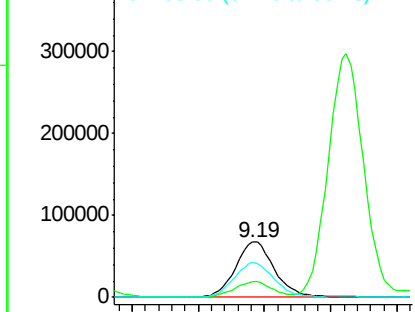


Abundance

Ion 88.00 (87.70 to 88.70): VN057414.D (-2215) (-)

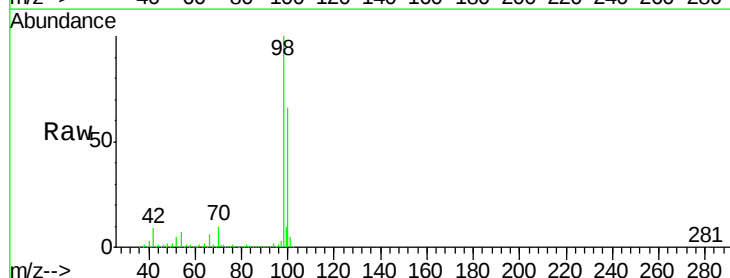
Ion 43.00 (42.70 to 43.70): VN057414.D (-2215) (-)

Ion 58.00 (57.70 to 58.70): VN057414.D (-2215) (-)



#50
Toluene-d8
Concen: 52.722 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

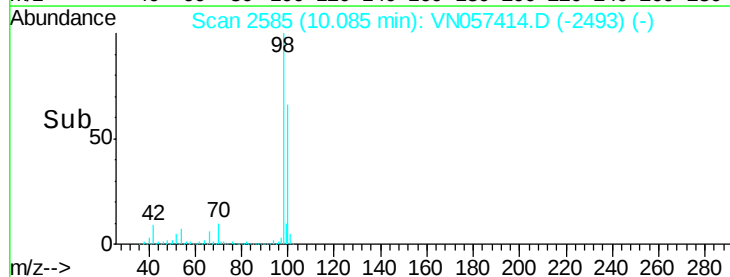
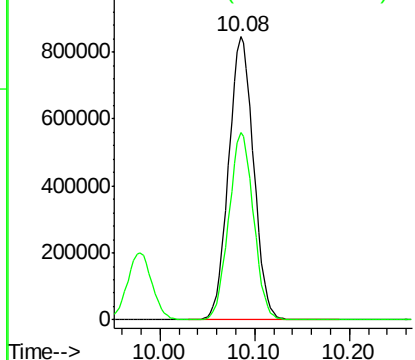
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.9	77.9

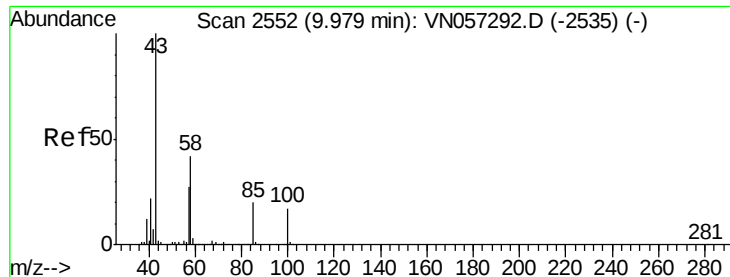


Abundance

Ion 98.00 (97.70 to 98.70): VN057414.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN057414.D (-2493) (-)





#51

4-Methyl-2-Pentanone

Concen: 220.635 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2014756

Ion Ratio Lower Upper

43 100

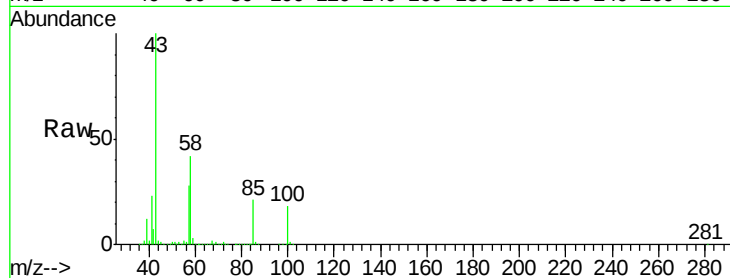
58 42.1 33.2 49.8

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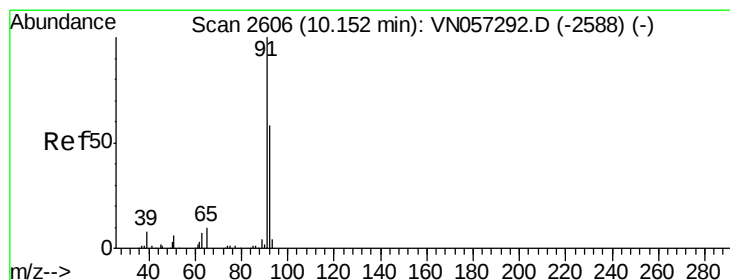
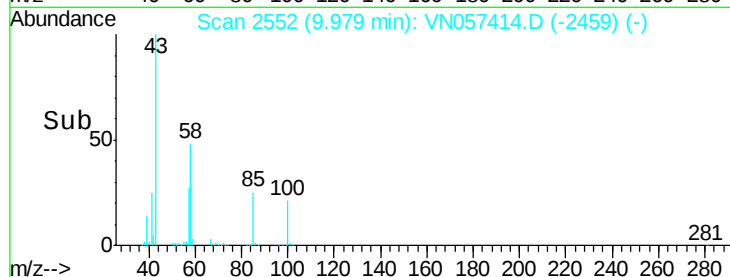
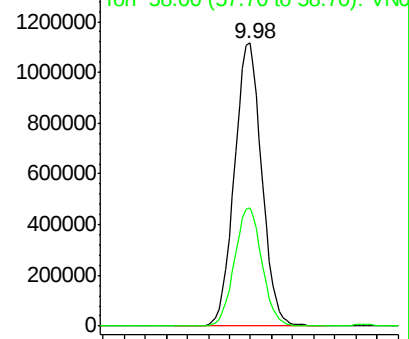
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Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-2535) (-)



#52

Toluene

Concen: 48.496 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057414.D

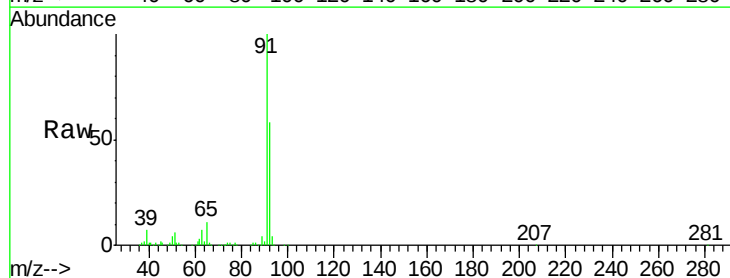
Acq: 19 Aug 2019 21:36

Tgt Ion: 92 Resp: 997764

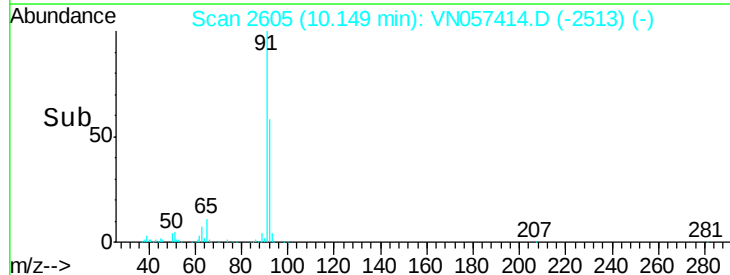
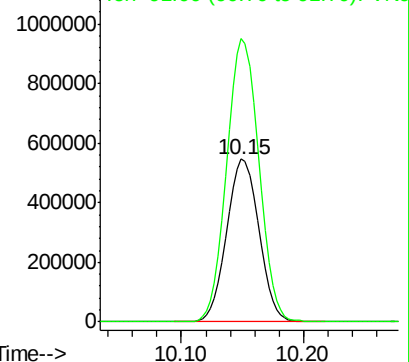
Ion Ratio Lower Upper

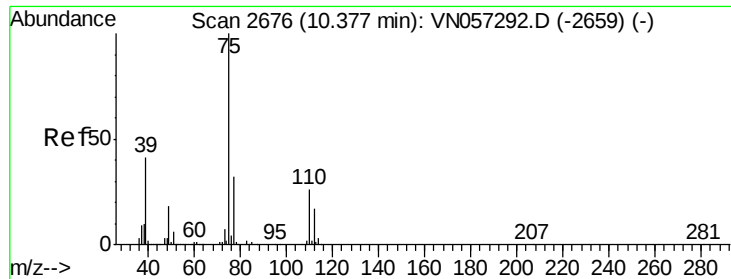
92 100

91 173.4 138.9 208.3



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





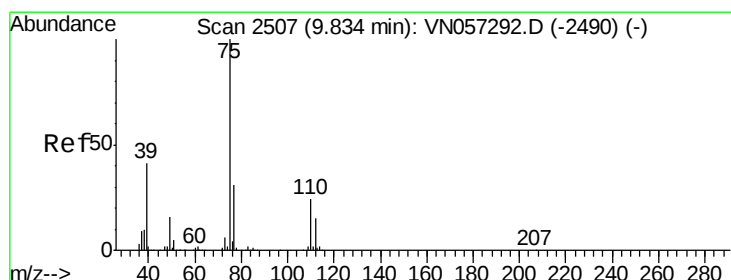
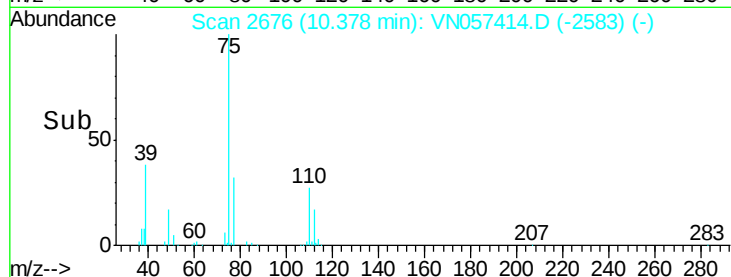
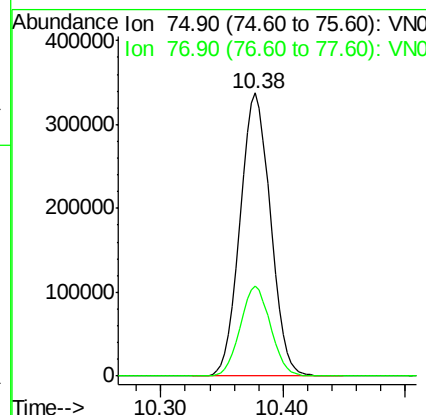
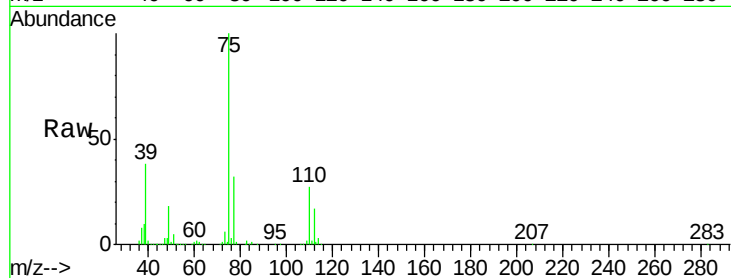
#53
t-1,3-Dichloropropene
Concen: 47.797 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

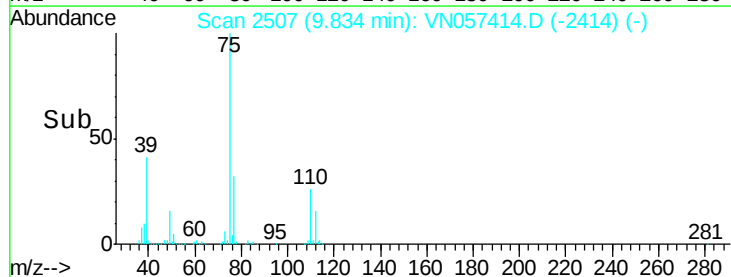
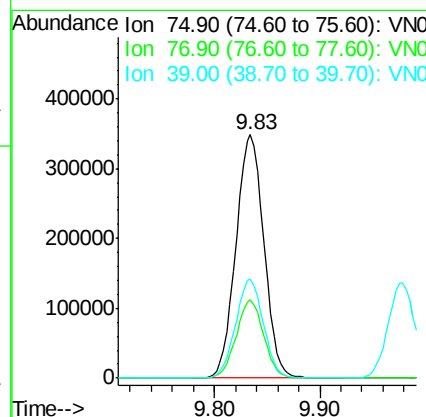
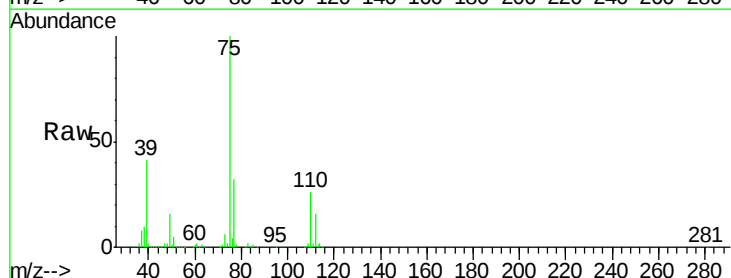
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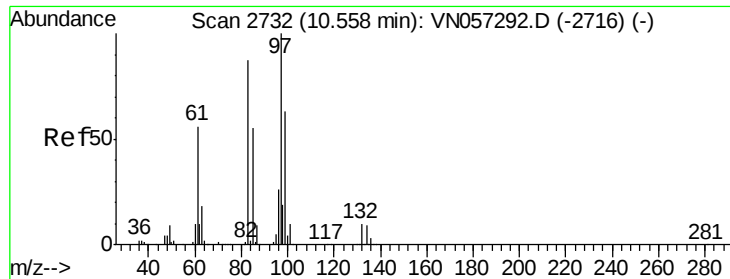
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#54
cis-1,3-Dichloropropene
Concen: 47.662 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.9	37.3
39	40.7	32.7	49.1





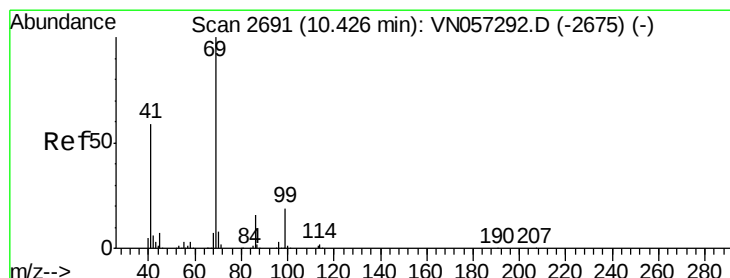
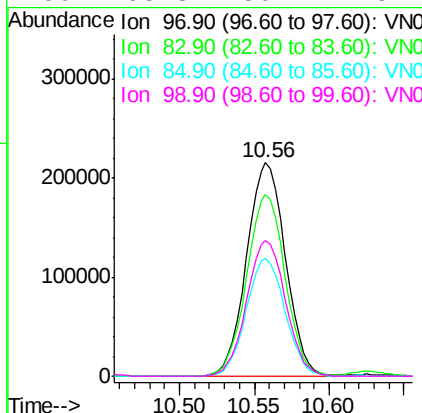
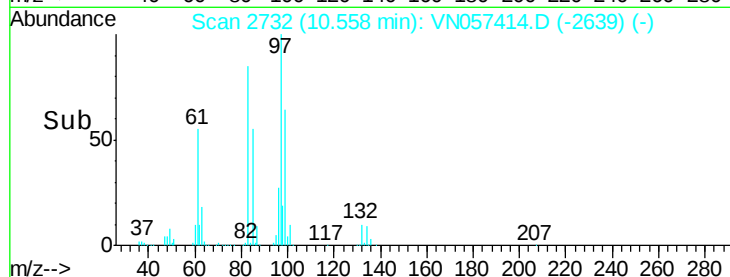
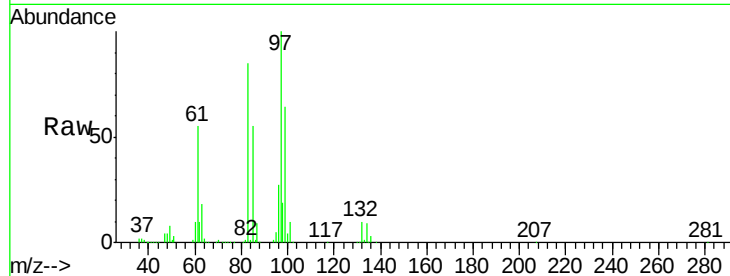
#55
 1,1,2-Trichloroethane
 Concen: 48.099 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		389128		
83	85.2	69.8	104.8		
85	55.0	44.1	66.1		
99	63.8	50.2	75.2		

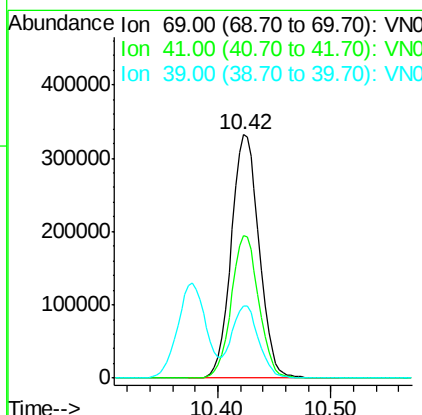
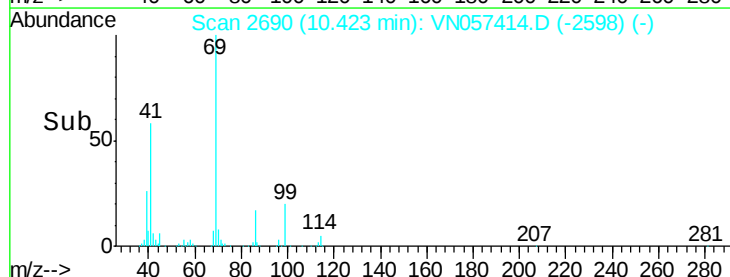
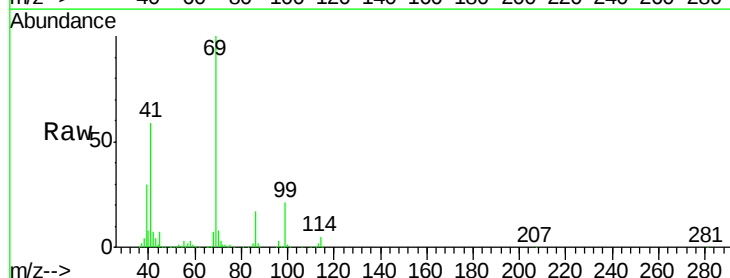
Manual Integrations
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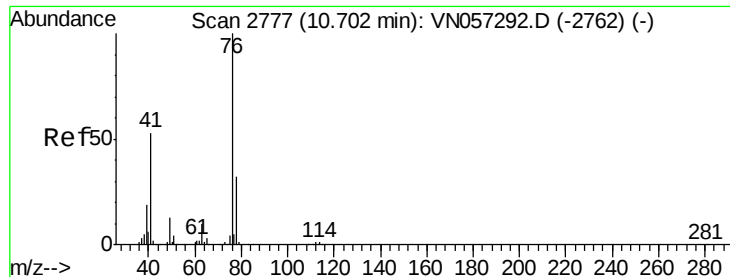
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 8/21/2019 9:45:28 AM



#56
 Ethyl methacrylate
 Concen: 48.107 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. -0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		567968		
41	57.3	48.2	72.2		
39	28.8	23.4	35.0		





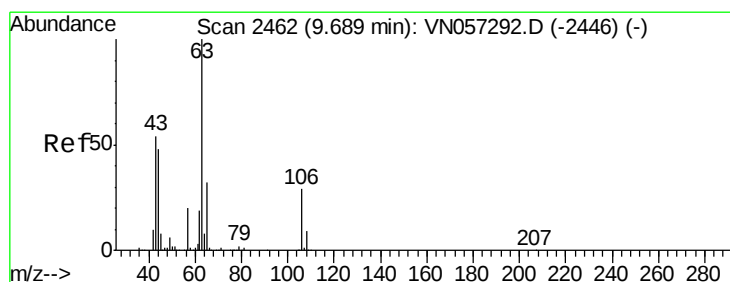
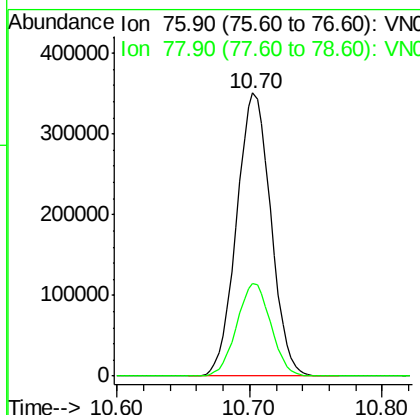
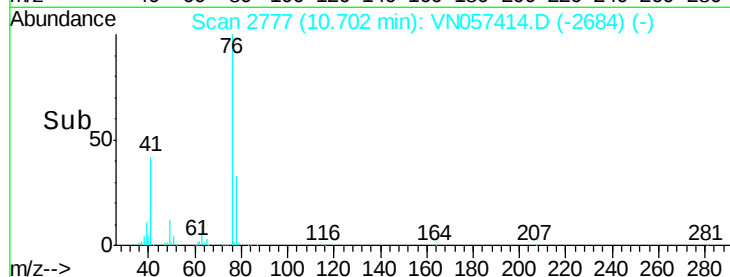
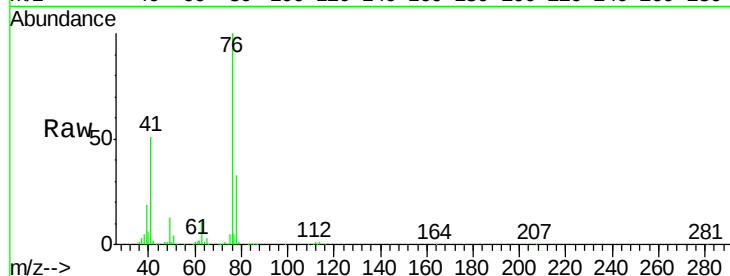
#57
 1,3-Dichloropropane
 Concen: 46.528 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.6	38.4

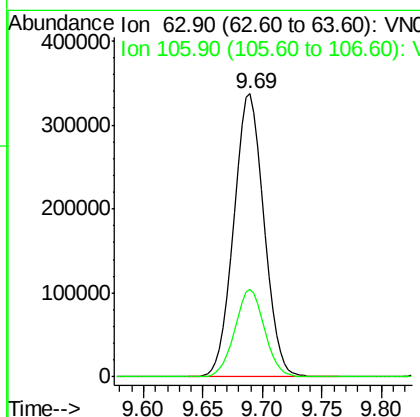
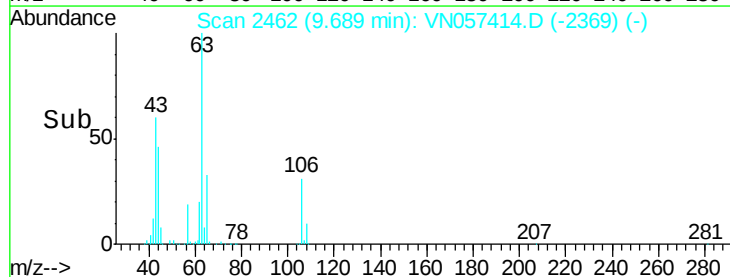
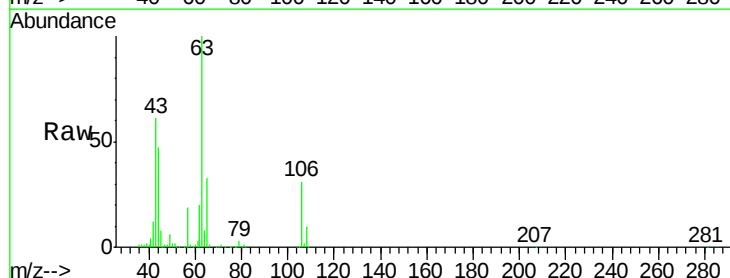
Manual Integrations
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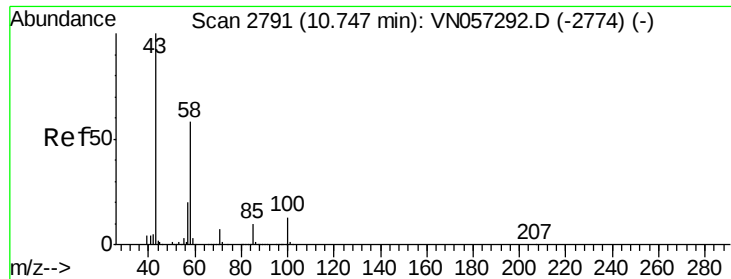
MMDadoda
 8/21/2019 9:45:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 175.378 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.2	34.8





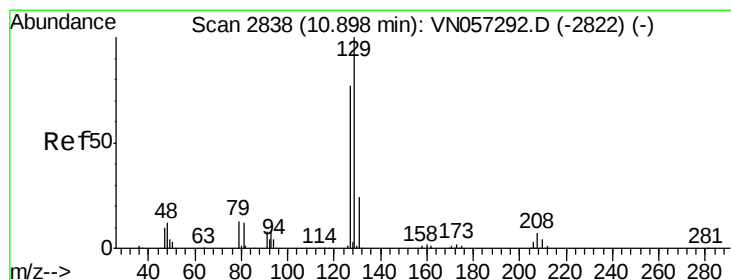
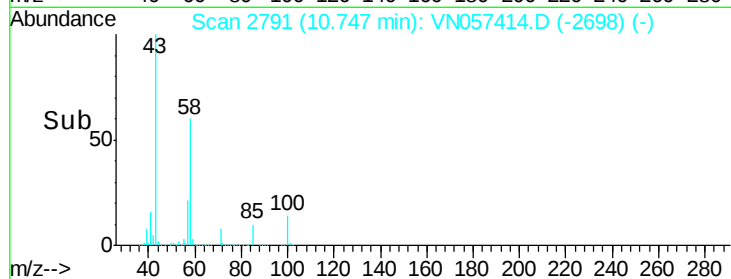
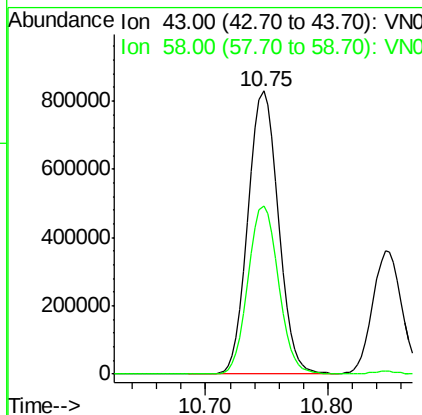
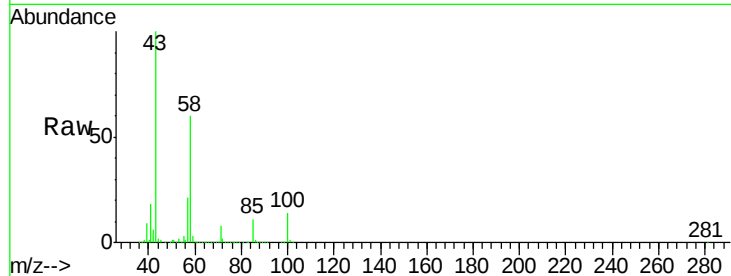
#59
2-Hexanone
Concen: 216.909 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1423995
Ion Ratio Lower Upper
43 100
58 59.5 28.6 85.9

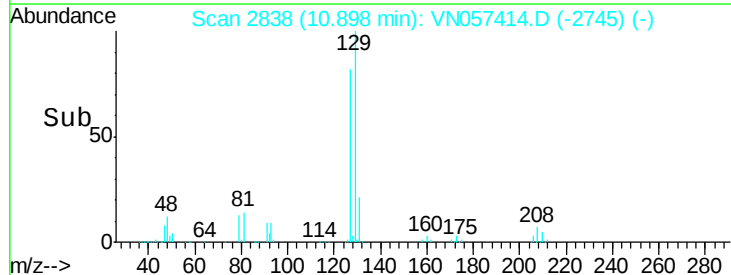
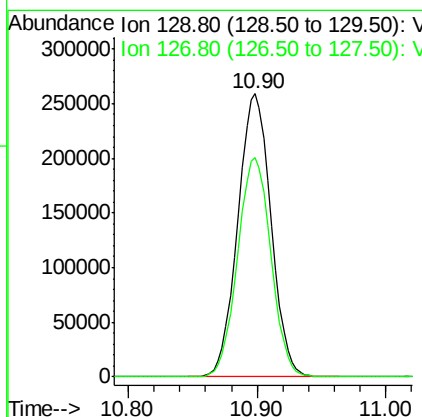
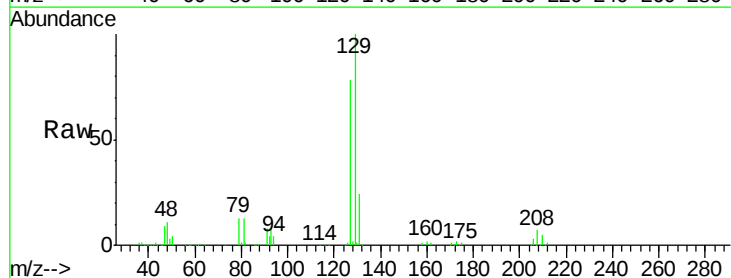
Manual Integrations
APPROVED

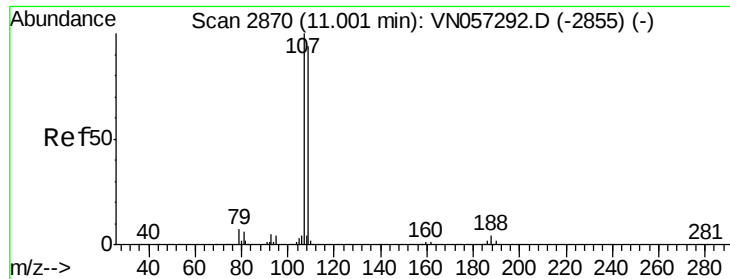
MMDadoda
8/21/2019 9:45:28 AM



#60
Dibromochloromethane
Concen: 51.120 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion: 129 Resp: 463462
Ion Ratio Lower Upper
129 100
127 77.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.191 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 415316

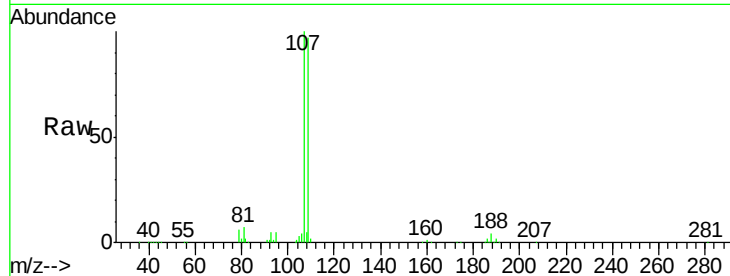
Ion Ratio Lower Upper

107 100

109 95.8 75.7 113.5

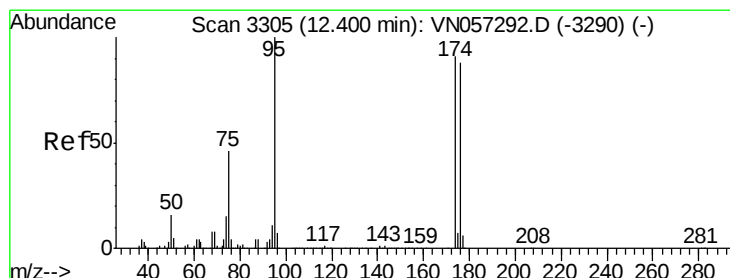
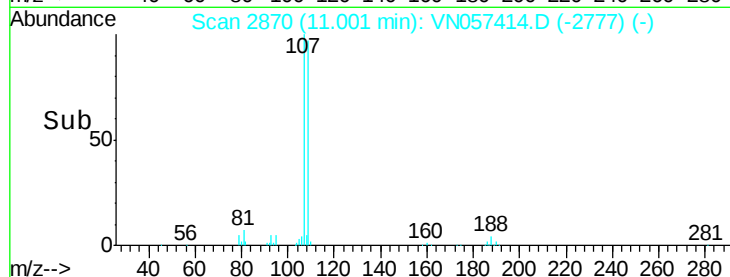
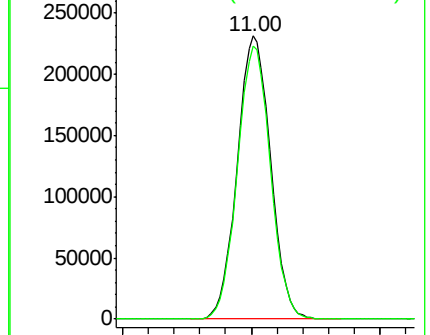
Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.819 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

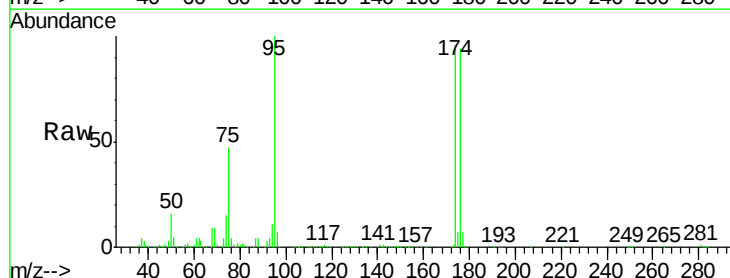
Tgt Ion: 95 Resp: 527031

Ion Ratio Lower Upper

95 100

174 97.1 0.0 185.0

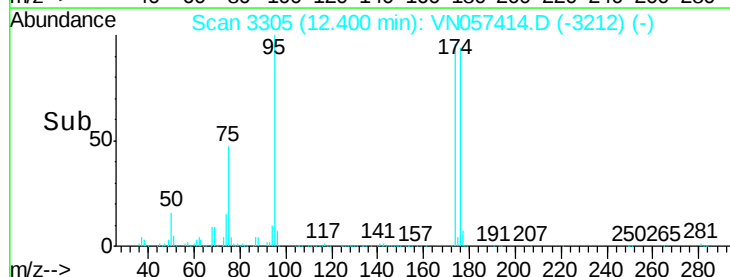
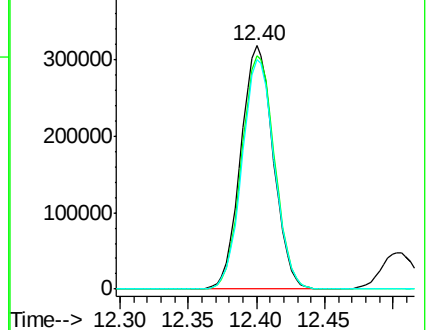
176 93.8 0.0 181.0

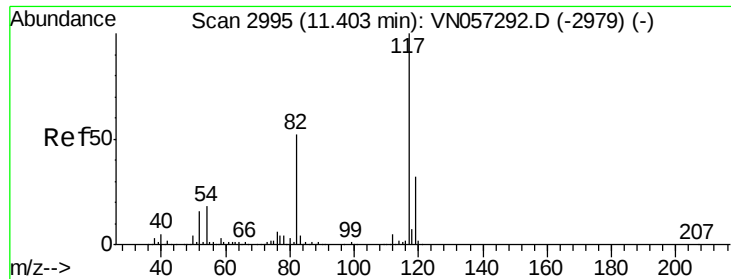


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





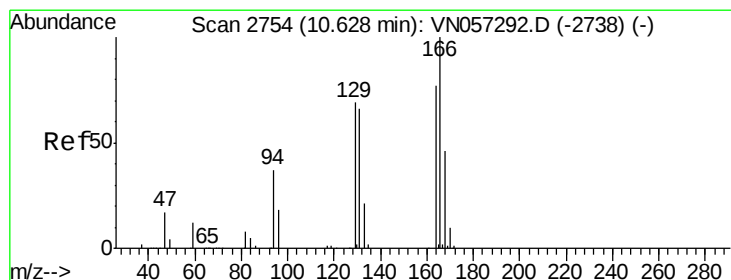
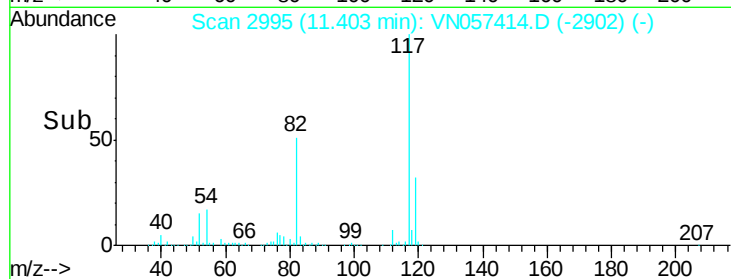
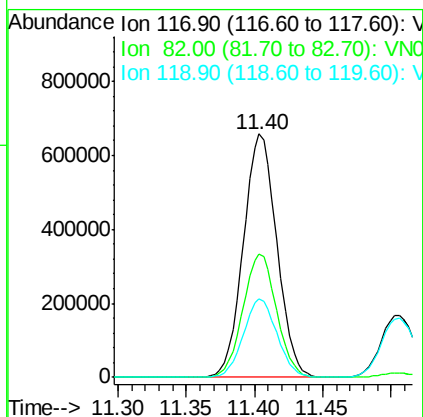
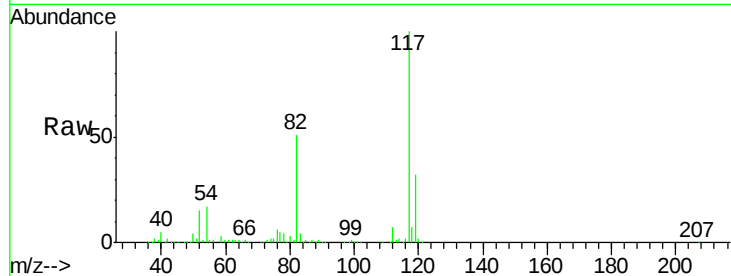
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.2	61.8
119	32.4	25.8	38.8

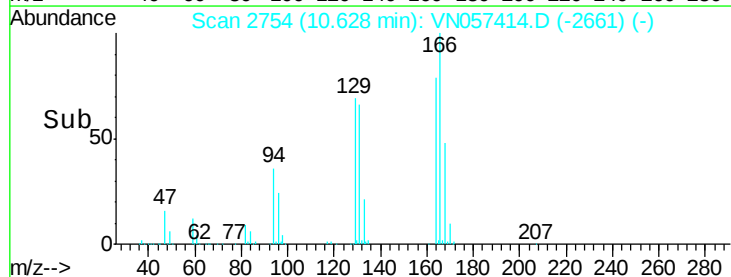
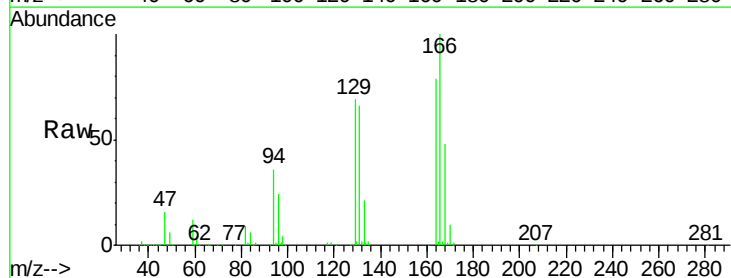
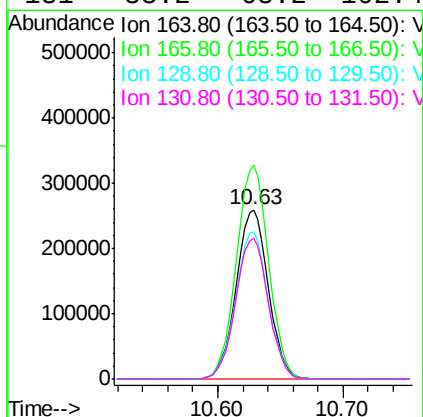
Manual Integrations
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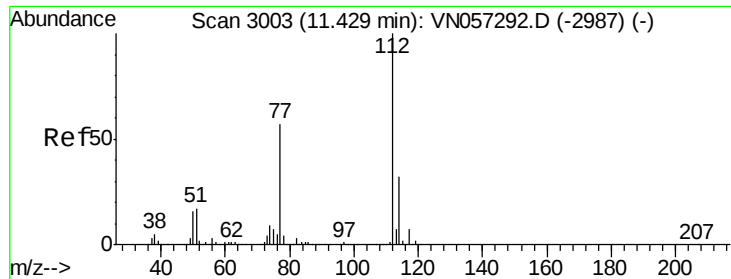
MMDadoda
8/21/2019 9:45:28 AM



#64
Tetrachloroethene
Concen: 47.458 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.5	155.3
129	87.0	71.2	106.8
131	83.2	68.2	102.4





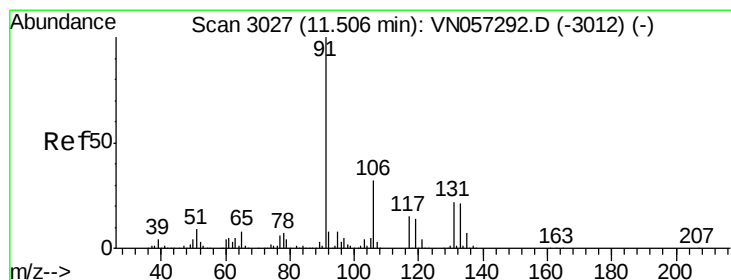
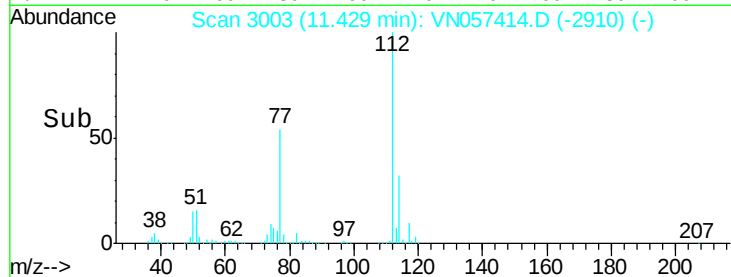
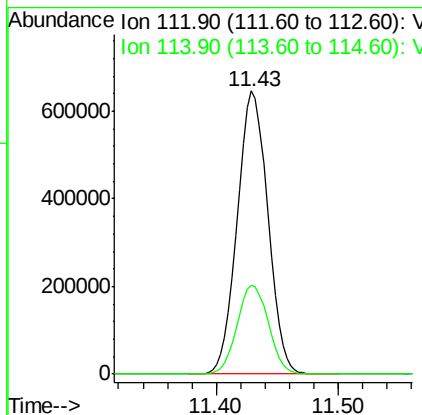
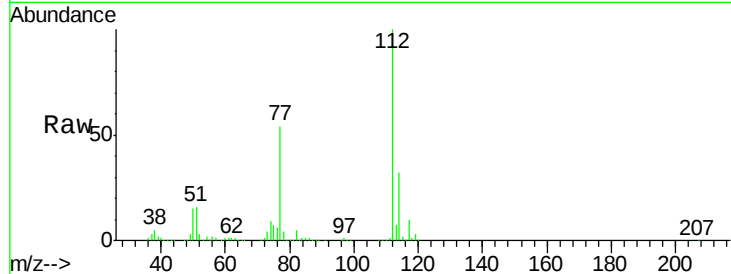
#65
Chlorobenzene
Concen: 48.982 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1119598
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5

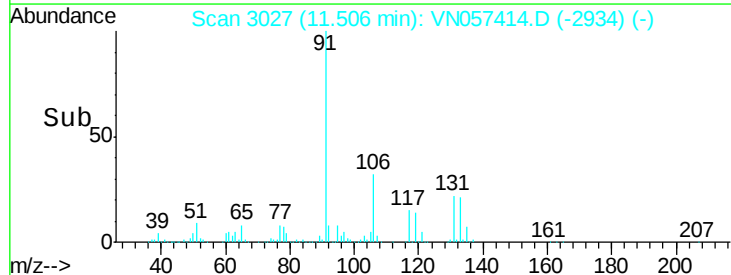
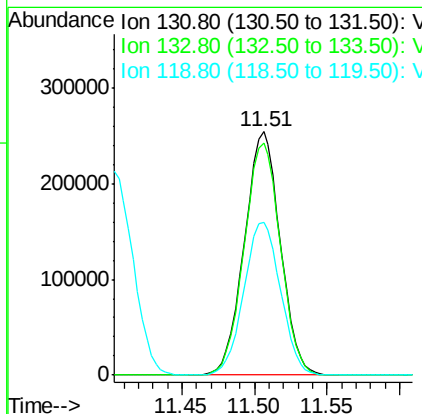
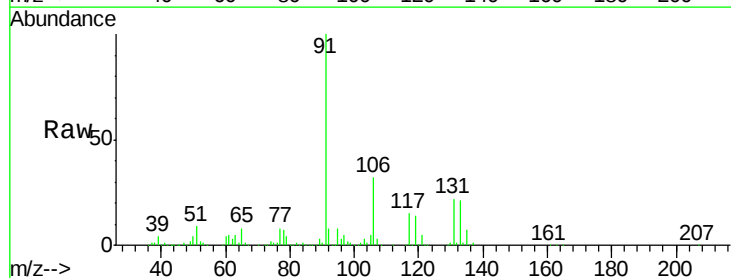
Manual Integrations
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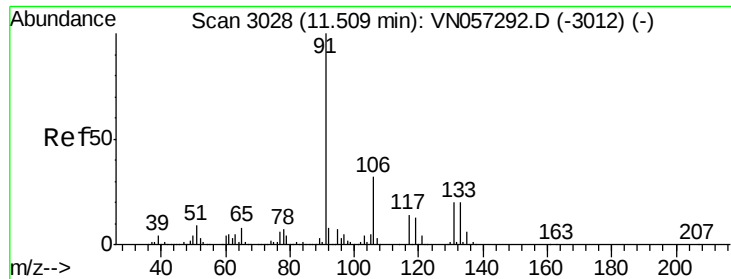
MMDadoda
8/21/2019 9:45:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.011 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion:131 Resp: 437784
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.8
119 64.2 32.0 96.2





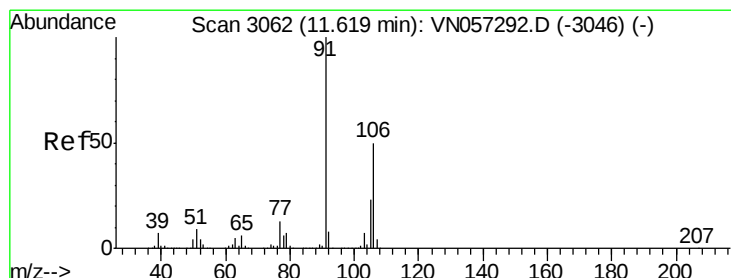
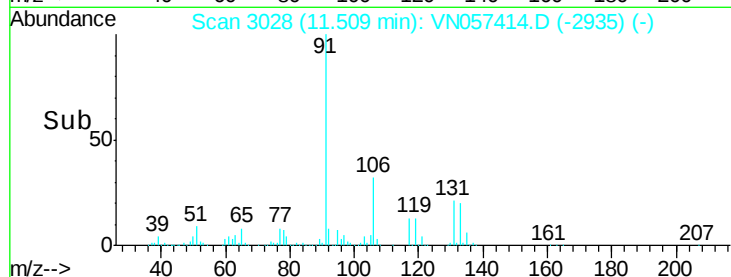
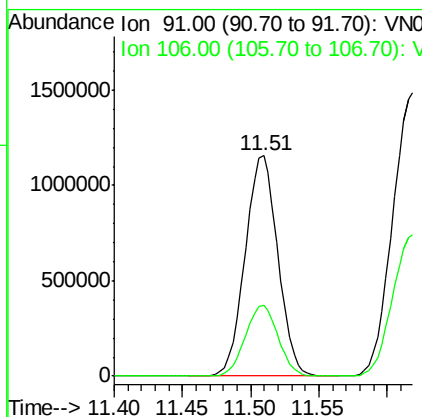
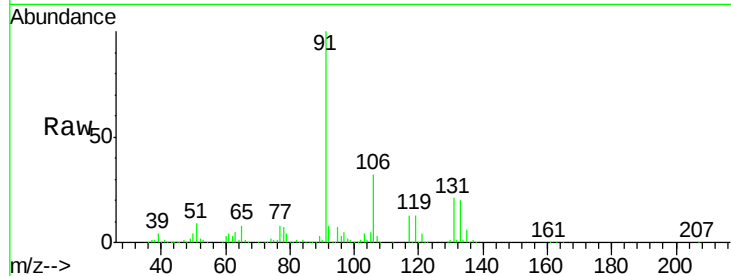
#67
Ethyl Benzene
Concen: 48.045 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1921303
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

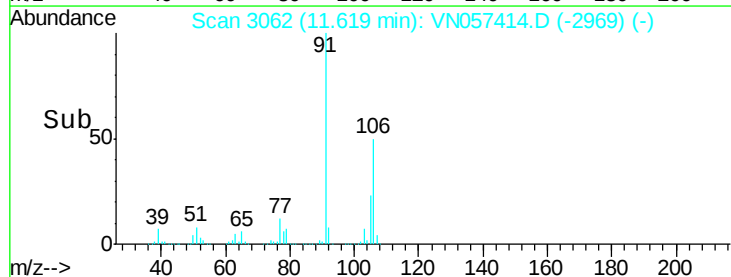
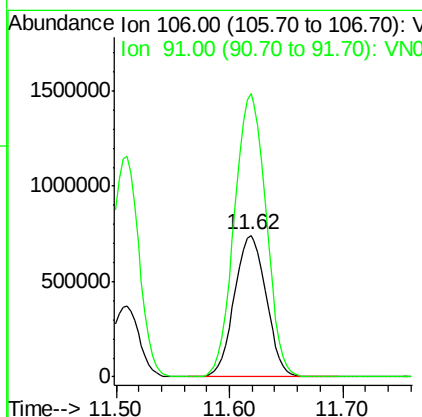
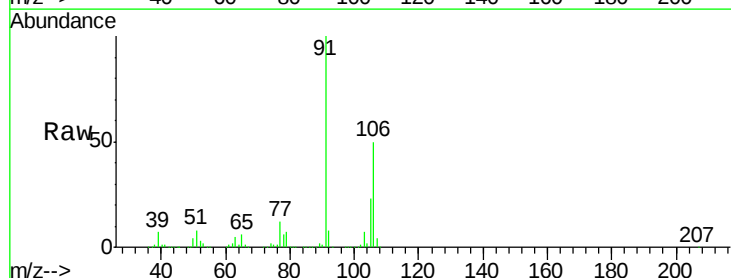
Manual Integrations
APPROVED

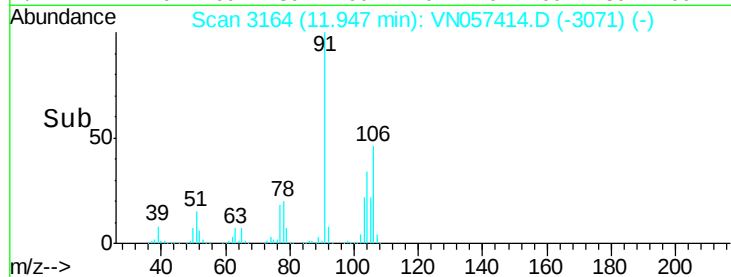
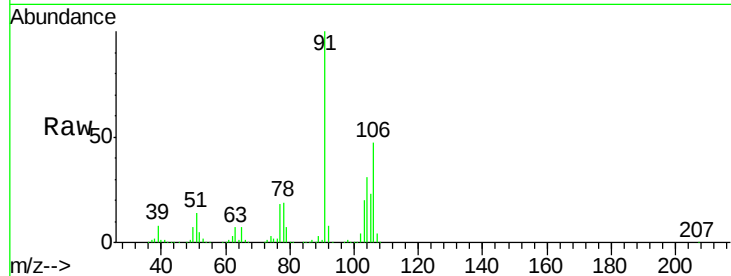
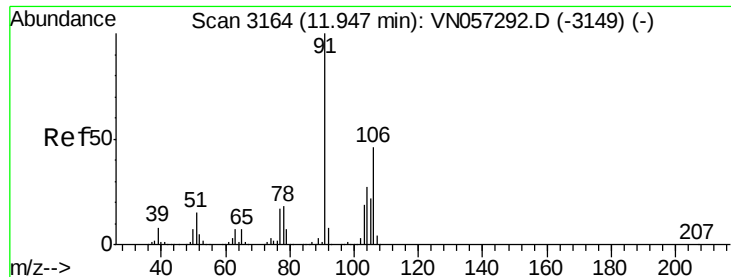
MMDadoda
8/21/2019 9:45:28 AM



#68
m/p-Xylenes
Concen: 98.597 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion: 106 Resp: 1452712
Ion Ratio Lower Upper
106 100
91 199.5 161.5 242.3





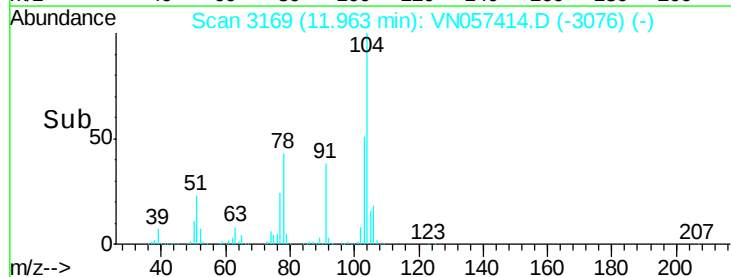
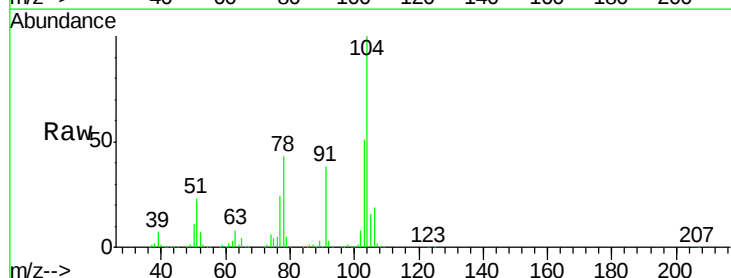
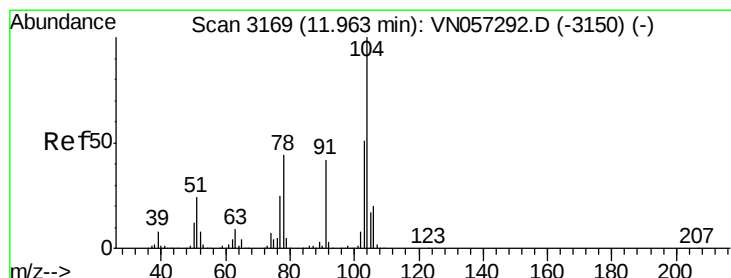
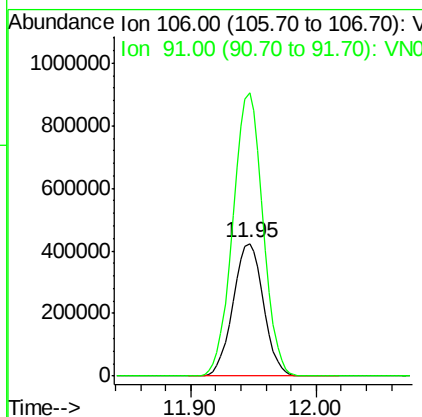
#69
o-Xylene
Concen: 49.206 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
711850	106	100			
	91	211.3	106.3	319.0	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

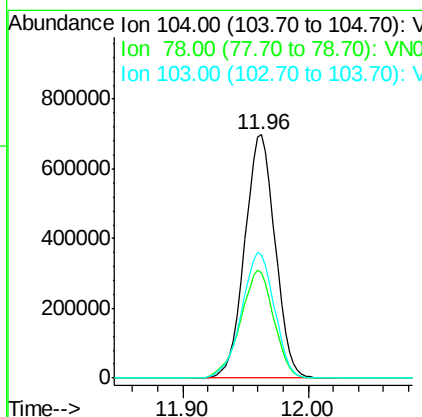
Manual Integrations
APPROVED

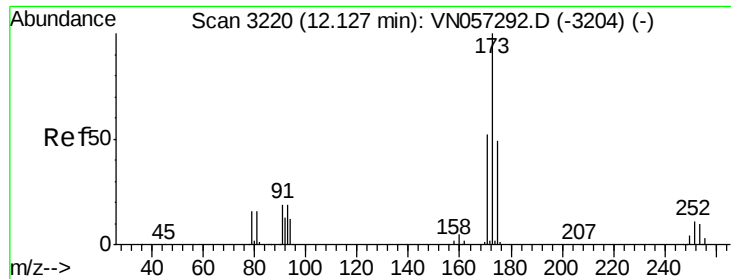
MMDadoda
8/21/2019 9:45:28 AM



#70
Styrene
Concen: 51.116 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
1178756	104	100			
	78	48.3	39.2	58.8	
	103	55.5	44.6	66.8	





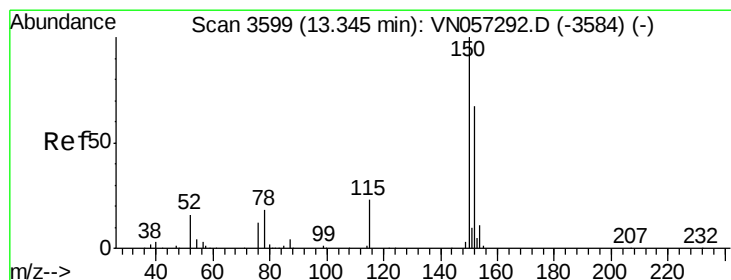
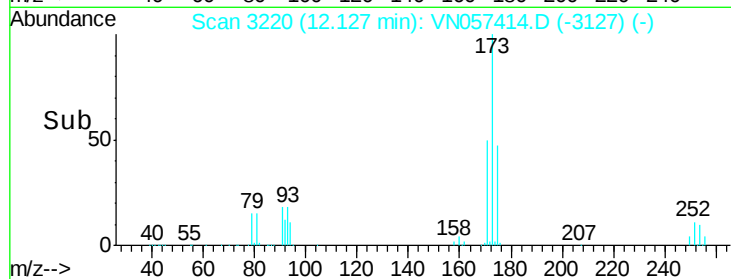
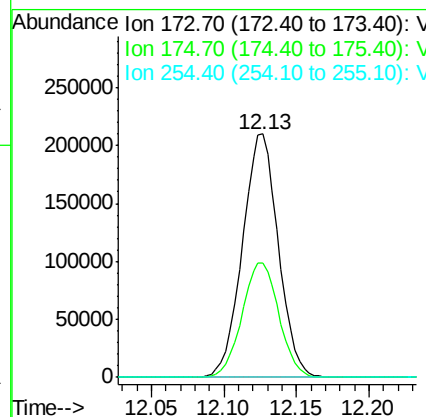
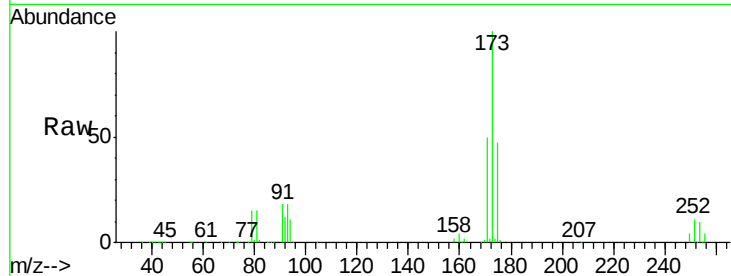
#71
Bromoform
Concen: 52.188 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.1	0.2	0.2#

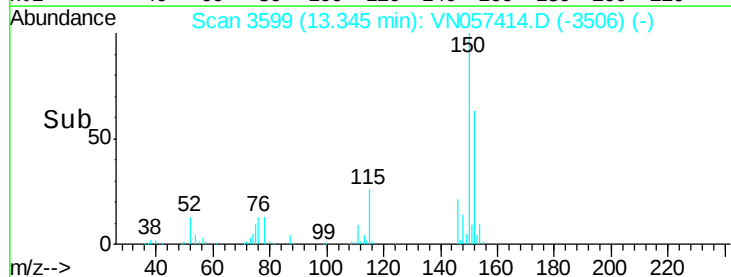
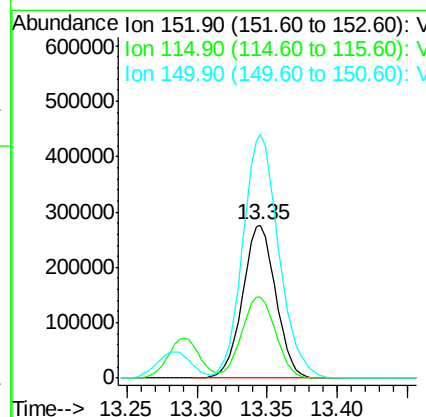
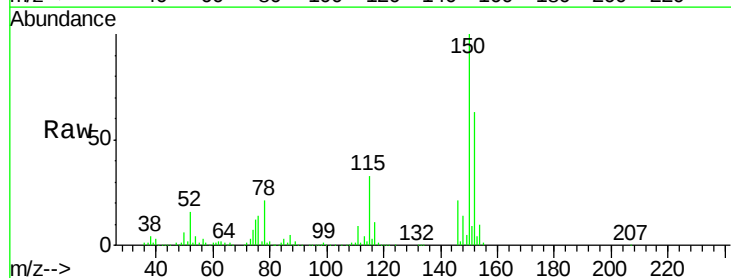
Manual Integrations
APPROVED

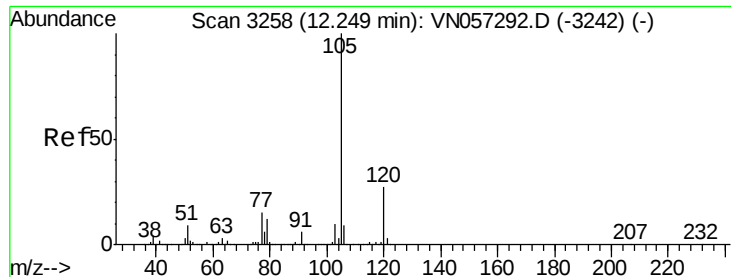
MMDadoda
8/21/2019 9:45:28 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.3	81.9
150	173.6	0.0	344.4





#73

Isopropylbenzene

Concen: 53.590 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1922778

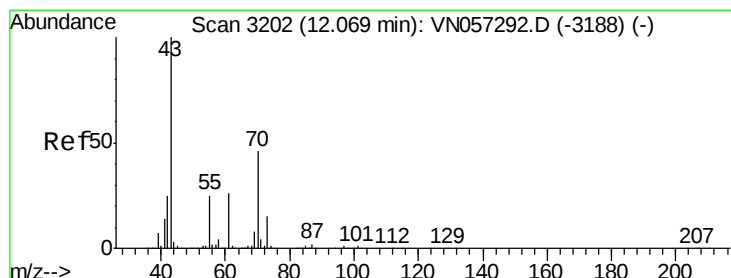
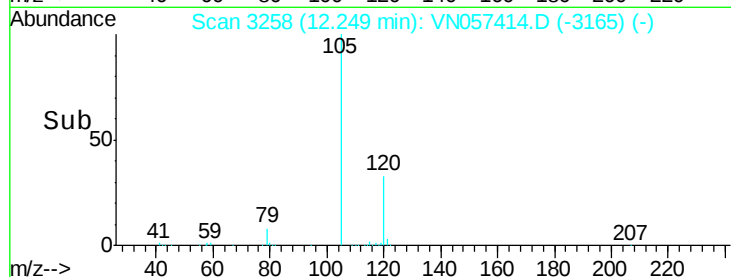
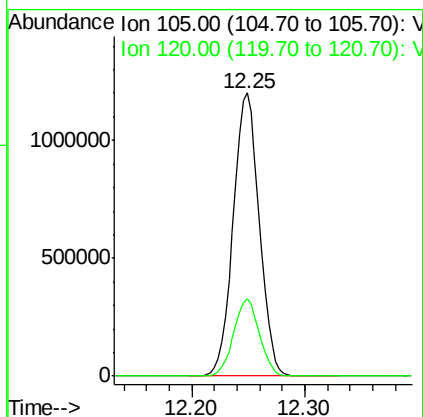
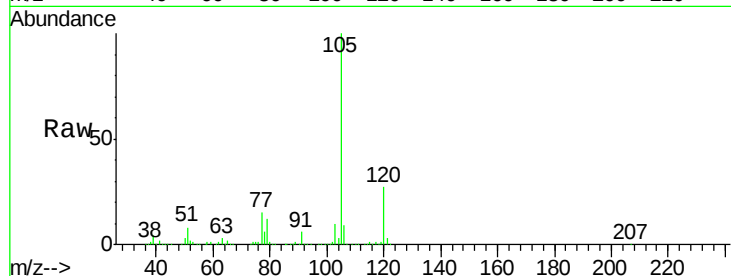
Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.6

Manual Integrations
APPROVED

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8/21/2019 9:45:28 AM



#74

N-ethyl acetate

Concen: 41.389 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Tgt Ion: 43 Resp: 544357

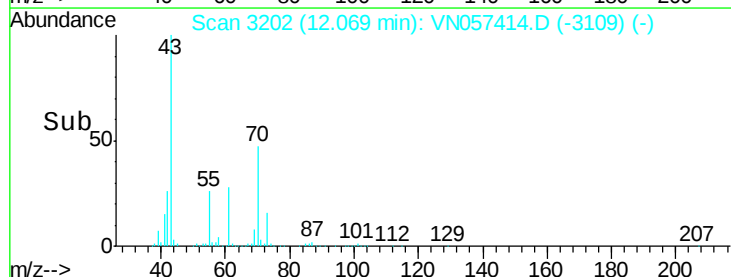
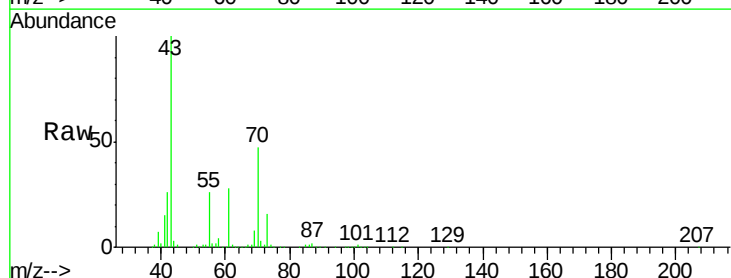
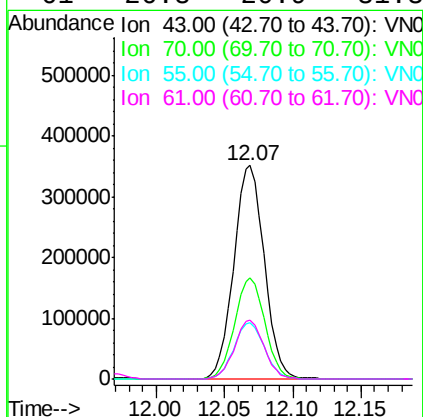
Ion Ratio Lower Upper

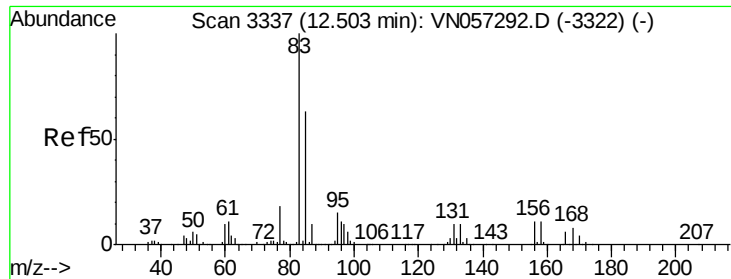
43 100

70 47.1 36.2 54.2

55 26.5 20.1 30.1

61 26.8 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.021 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

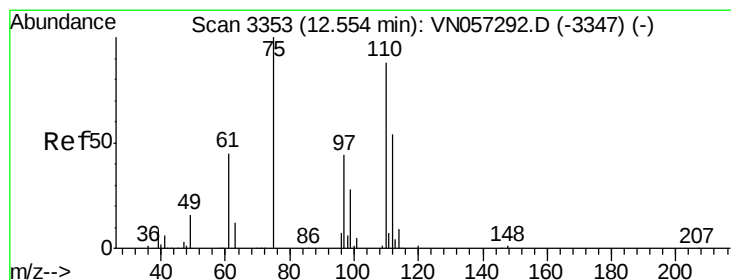
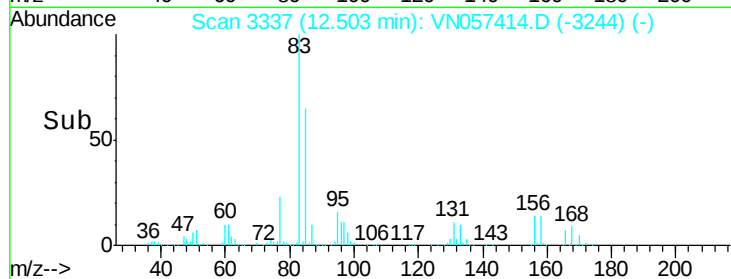
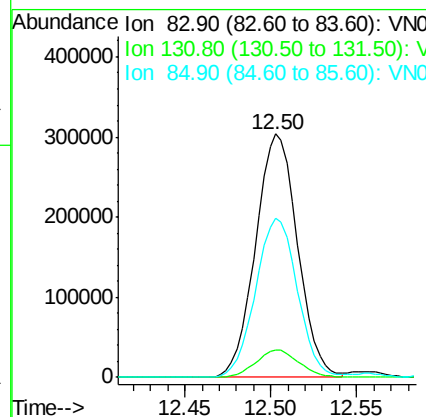
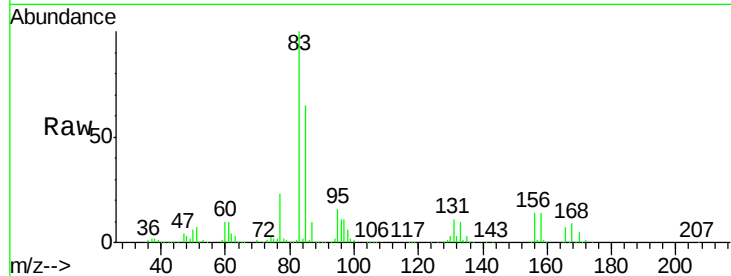
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	513107
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.4	16.2
85	65.5	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 51.812 ug/l m

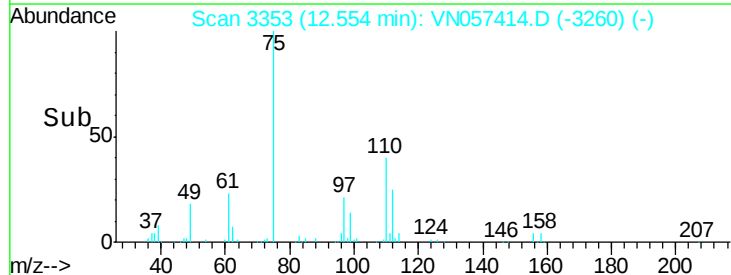
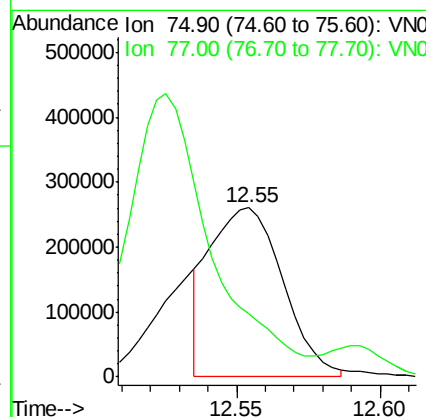
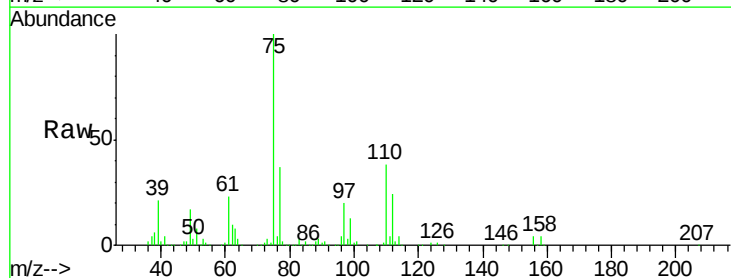
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Tgt Ion:	75	Resp:	461834
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.919 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

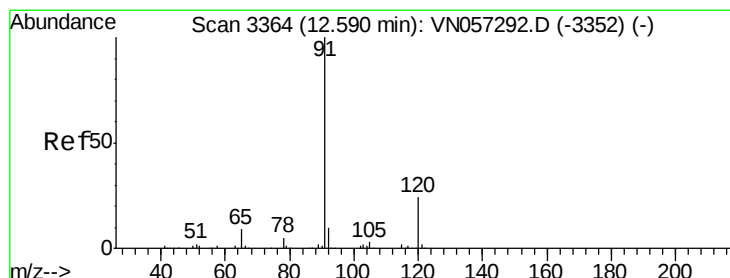
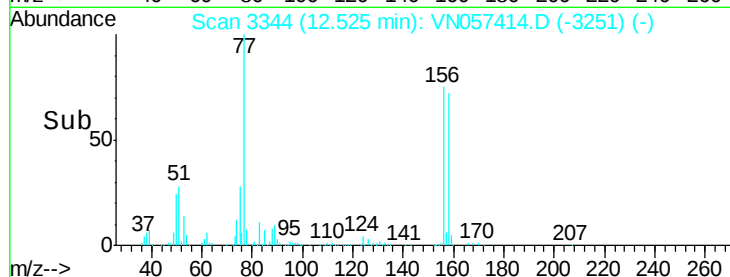
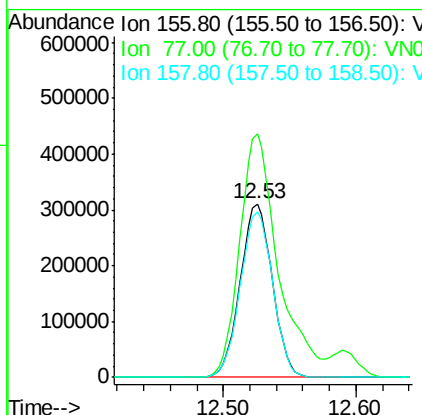
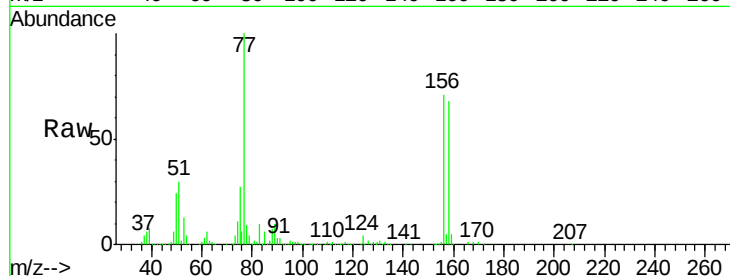
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	522180
Ion Ratio	Lower	Upper	
156	100		
77	169.7	89.8	269.6
158	96.6	49.3	147.8

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#78

n-propylbenzene

Concen: 45.992 ug/l

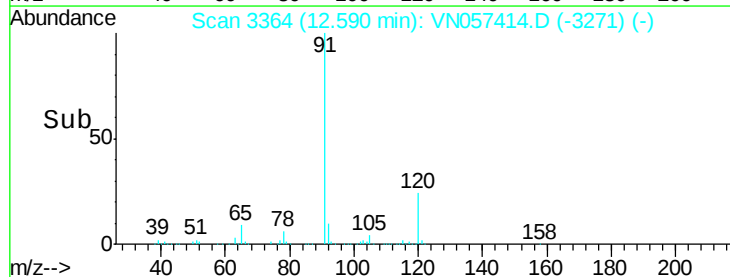
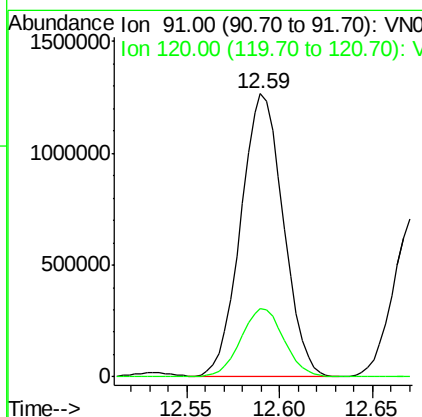
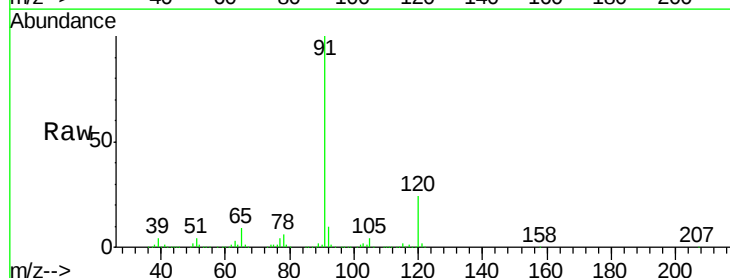
RT: 12.59 min Scan# 3364

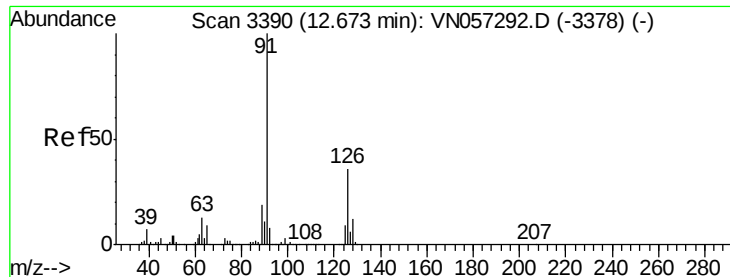
Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Tgt Ion:	91	Resp:	2007370
Ion Ratio	Lower	Upper	
91	100		
120	24.5	11.9	35.7





#79

2-Chlorotoluene

Concen: 52.013 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1238863

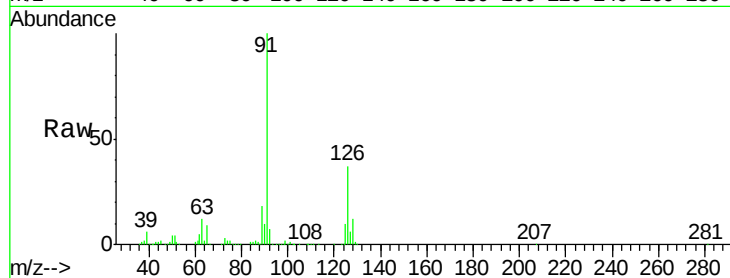
Ion Ratio Lower Upper

91 100

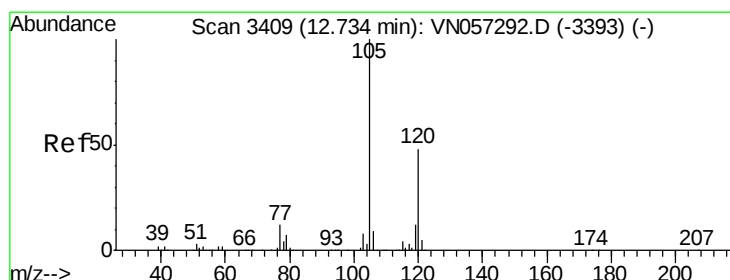
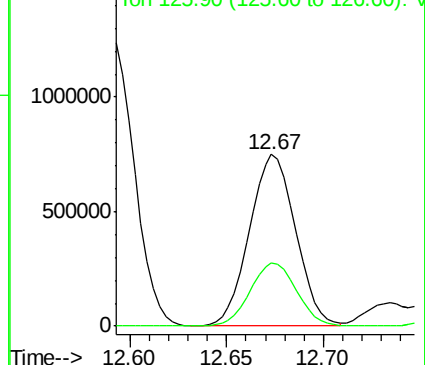
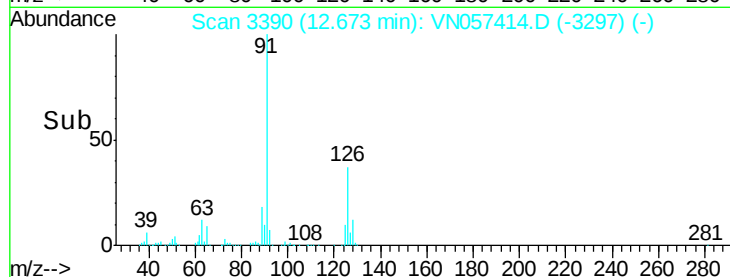
126 37.2 18.1 54.1

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Abundance Ion 91.00 (90.70 to 91.70): VN057414.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.666 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057414.D

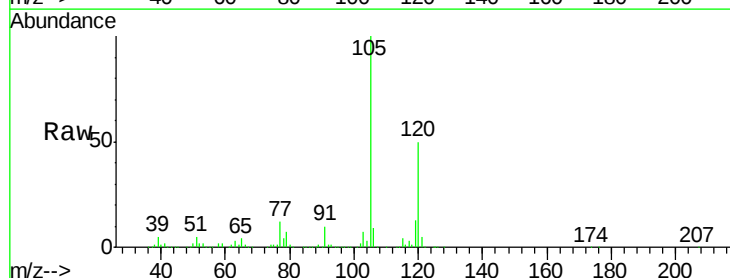
Acq: 19 Aug 2019 21:36

Tgt Ion: 105 Resp: 1604662

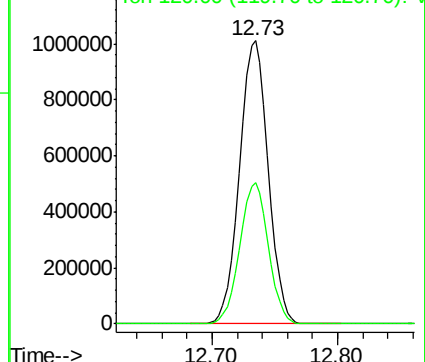
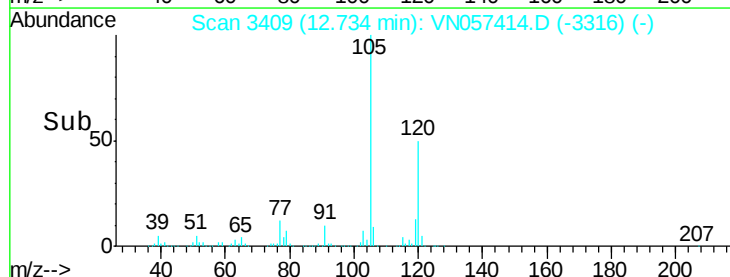
Ion Ratio Lower Upper

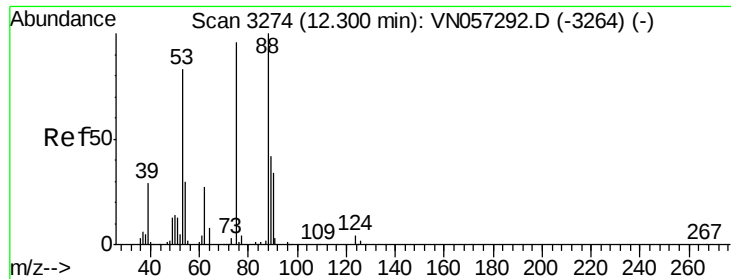
105 100

120 49.8 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057414.D (-3316) (-)





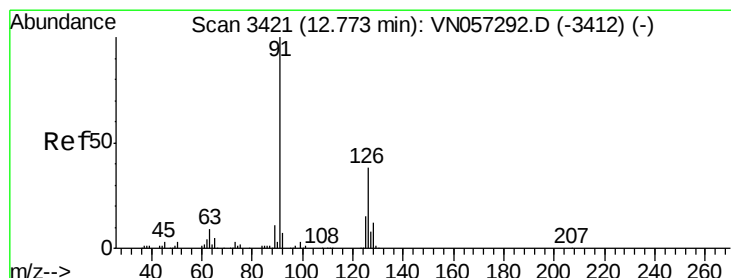
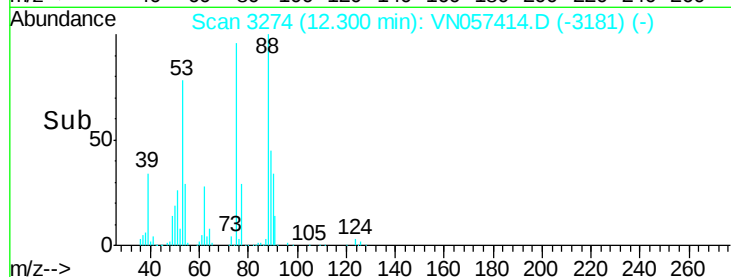
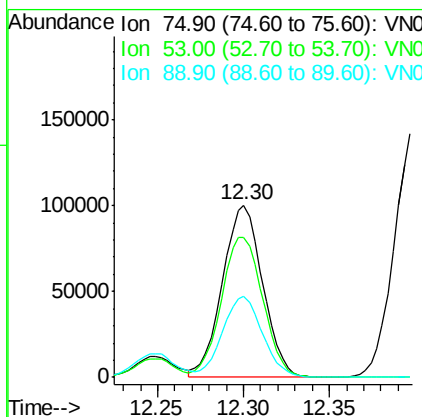
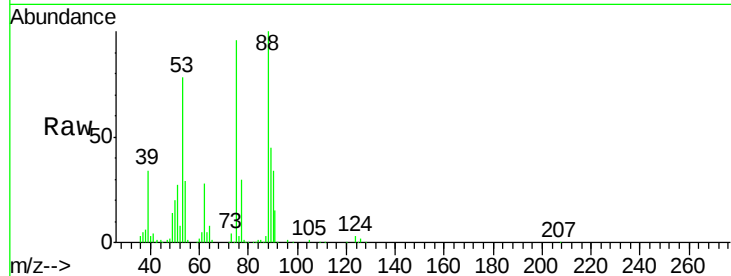
#81
trans-1,4-Dichloro-2-butene
Concen: 43.542 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.8	67.9	101.9
89	47.1	36.2	54.4

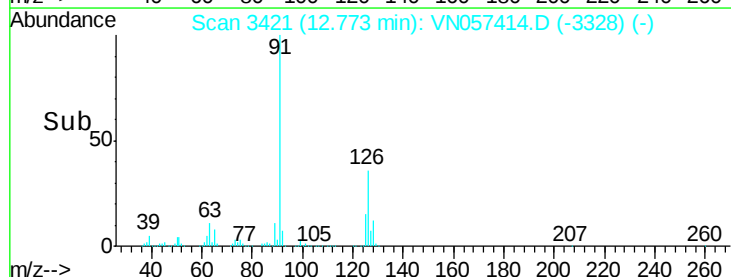
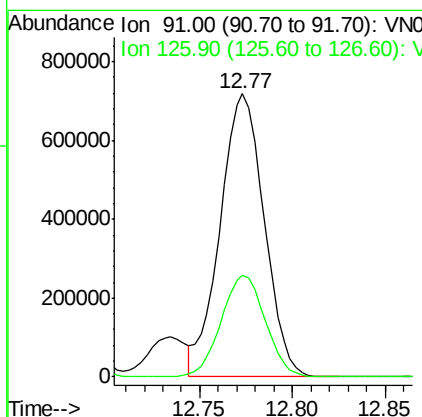
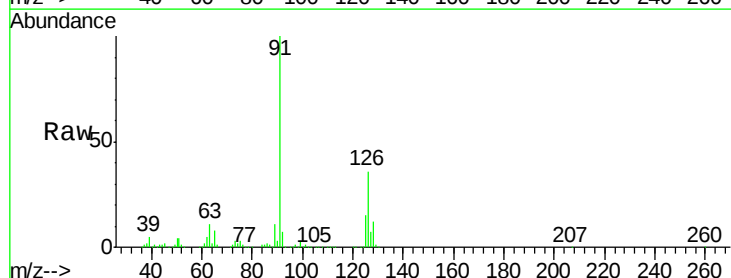
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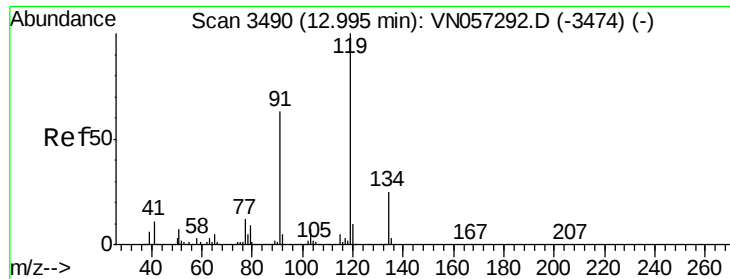
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#82
4-Chlorotoluene
Concen: 45.714 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.3	51.7





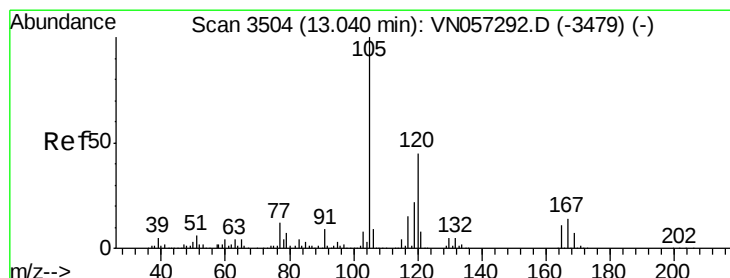
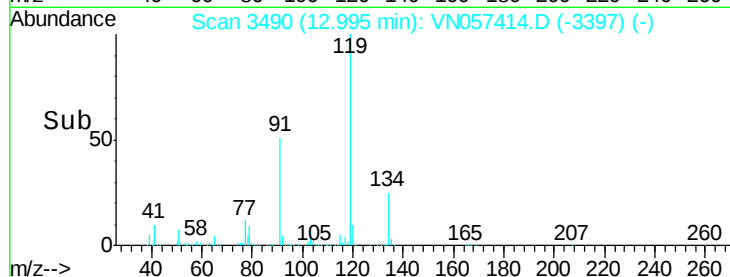
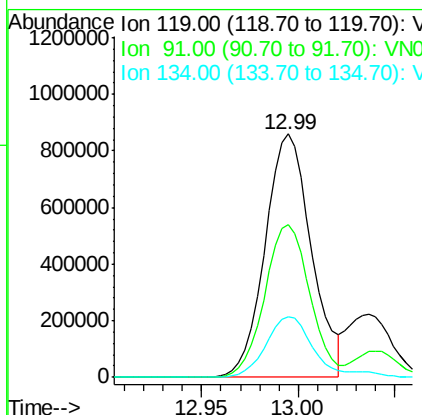
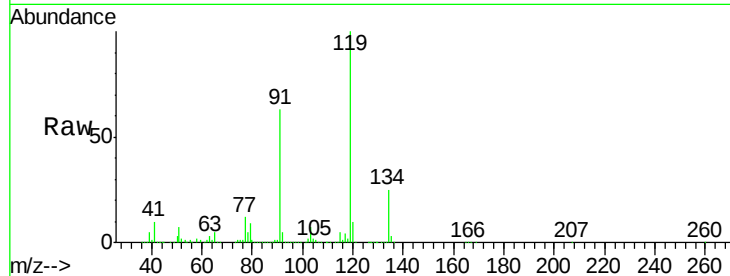
#83
tert-Butylbenzene
Concen: 53.655 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	31.3	93.8
134	26.3	13.1	39.1

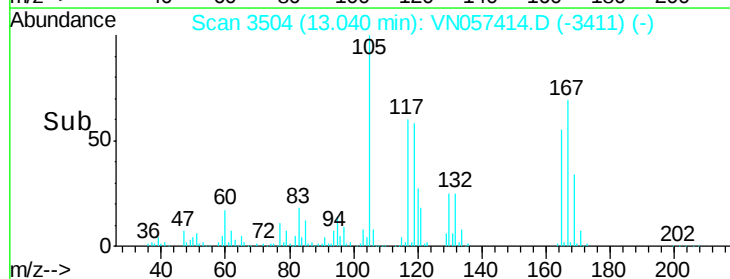
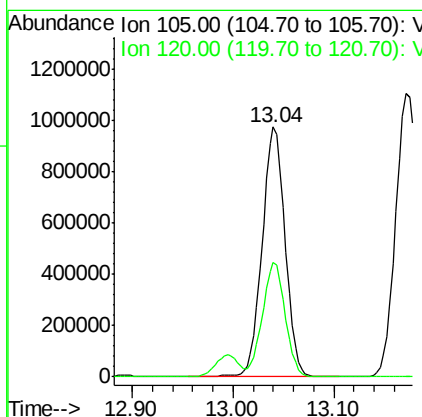
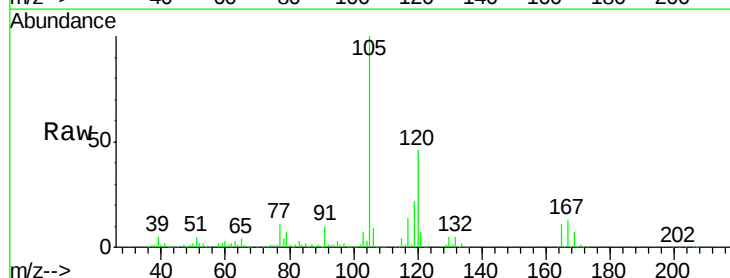
Manual Integrations
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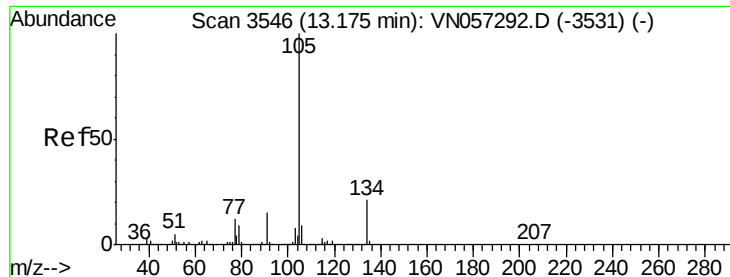
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.264 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 51.539 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1765608

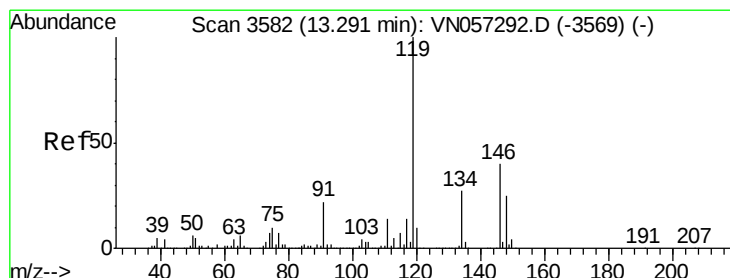
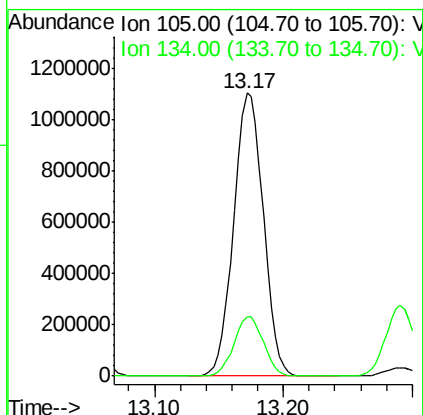
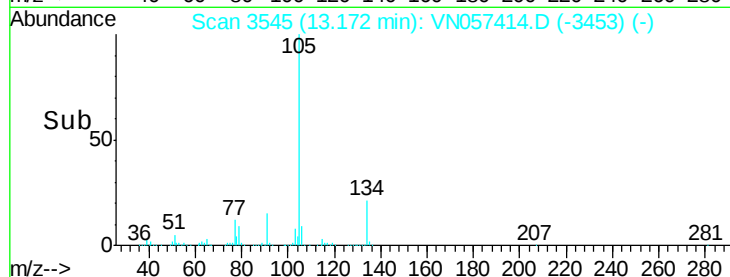
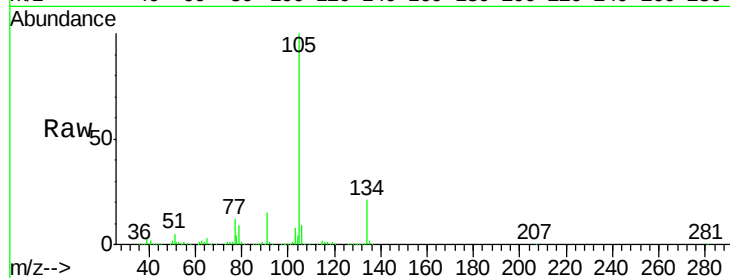
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 46.812 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057414.D

Acq: 19 Aug 2019 21:36

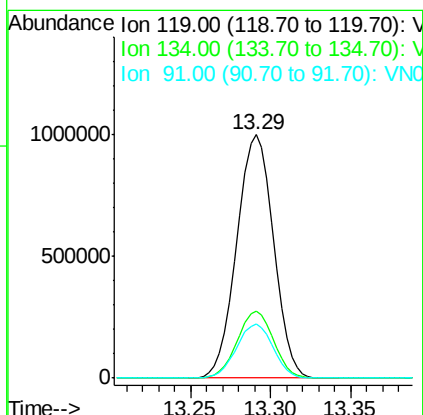
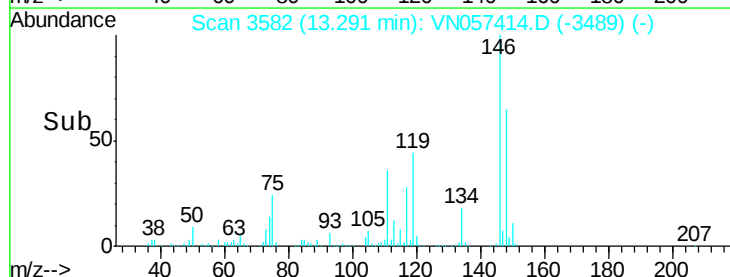
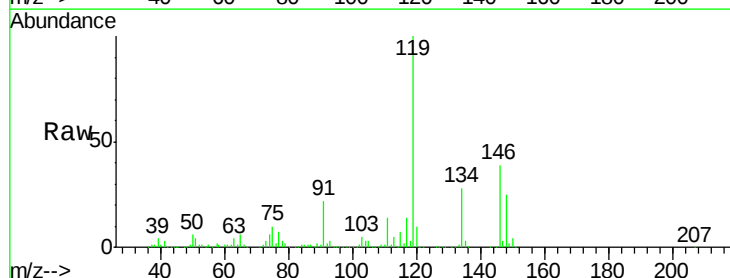
Tgt Ion:119 Resp: 1564602

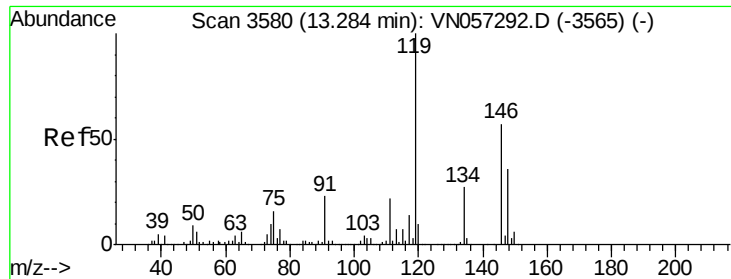
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 22.2 11.2 33.5





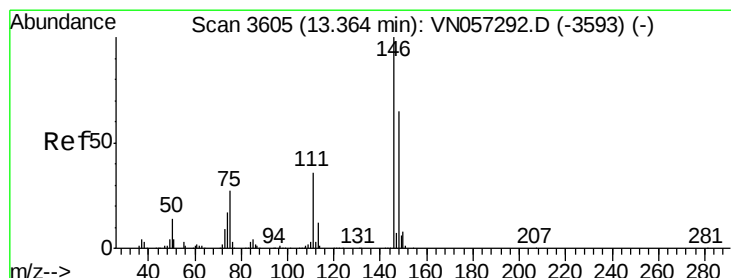
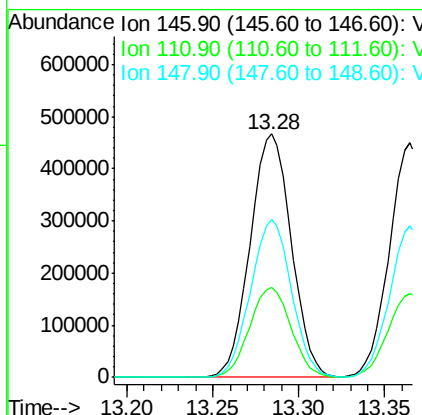
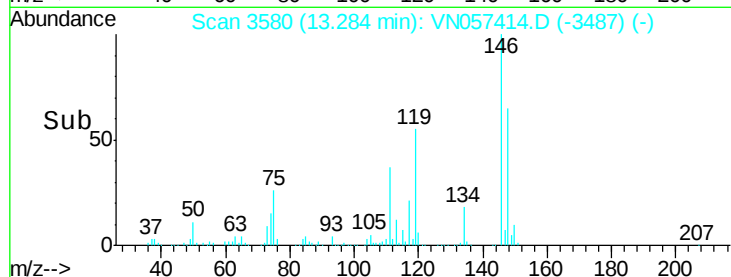
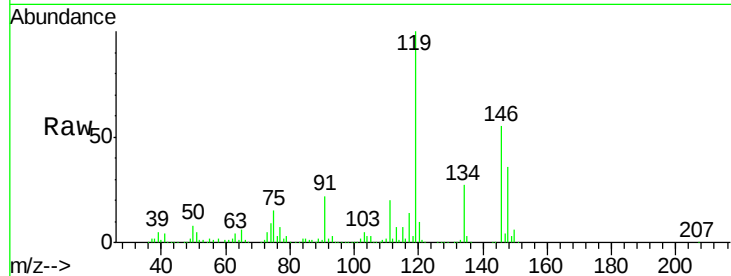
#87
 1,3-Dichlorobenzene
 Concen: 48.838 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	64.4	31.7	95.1

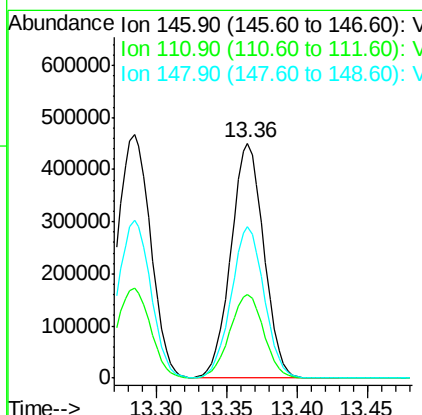
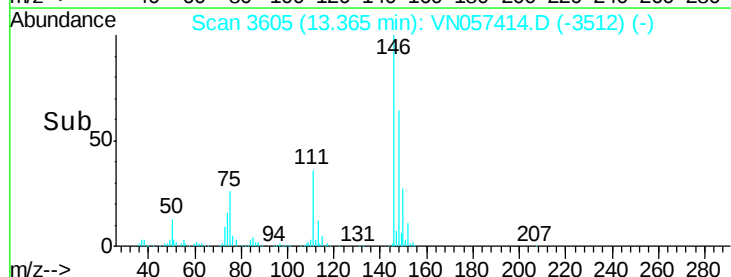
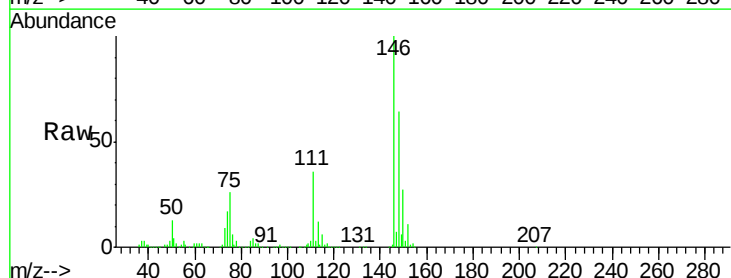
Manual Integrations
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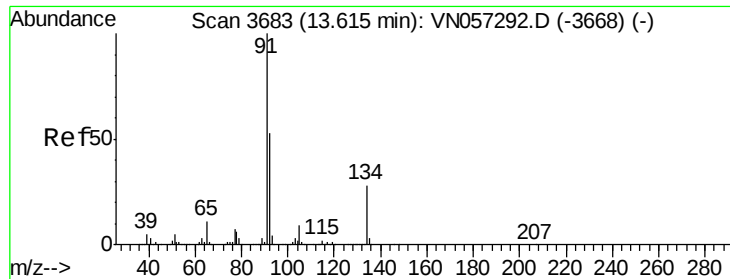
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#88
 1,4-Dichlorobenzene
 Concen: 48.775 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.4
148	64.7	32.5	97.4





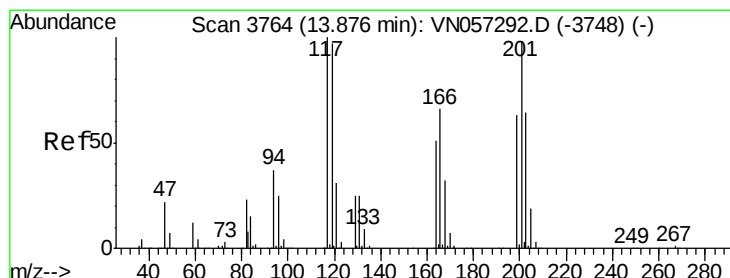
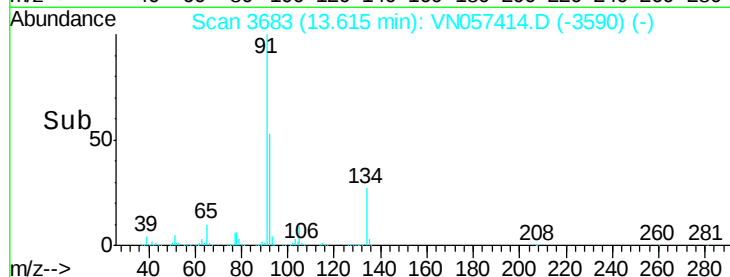
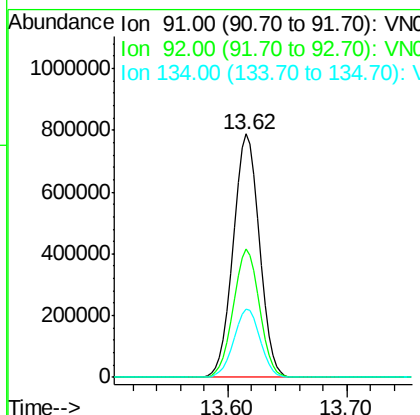
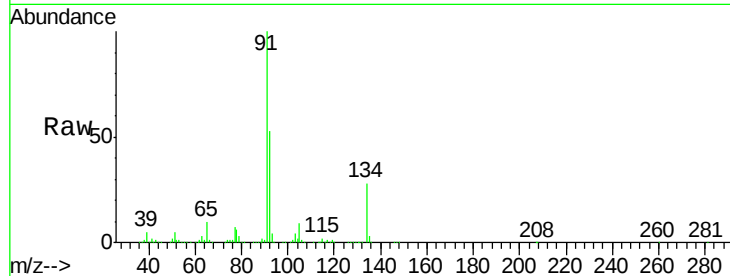
#89
n-Butylbenzene
Concen: 50.503 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.6
134	28.1	13.9	41.7

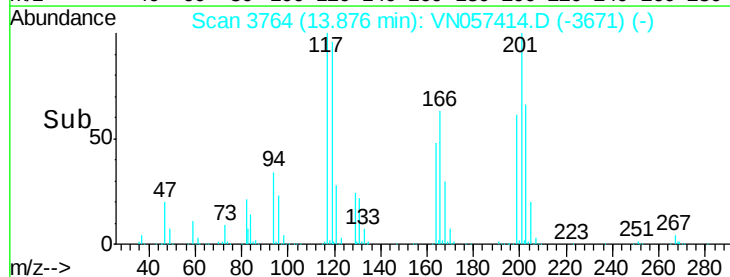
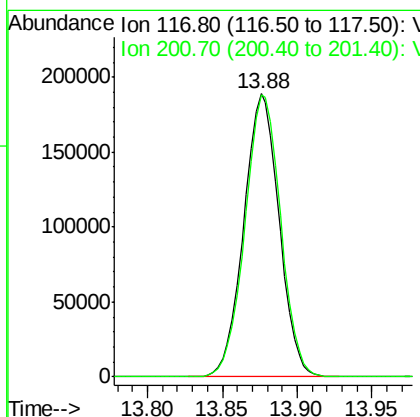
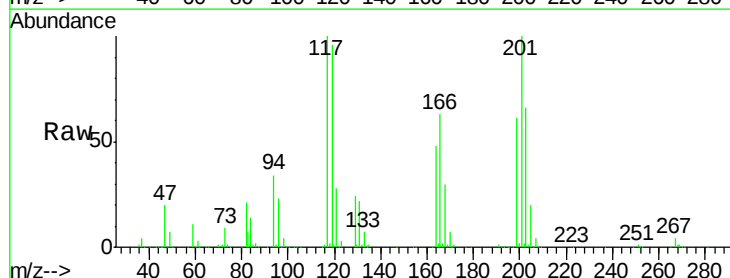
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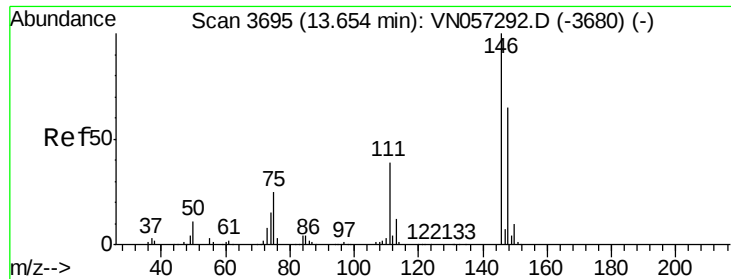
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#90
Hexachloroethane
Concen: 54.872 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.5	48.4	145.0





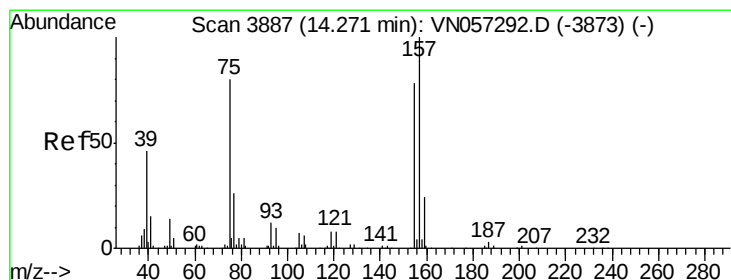
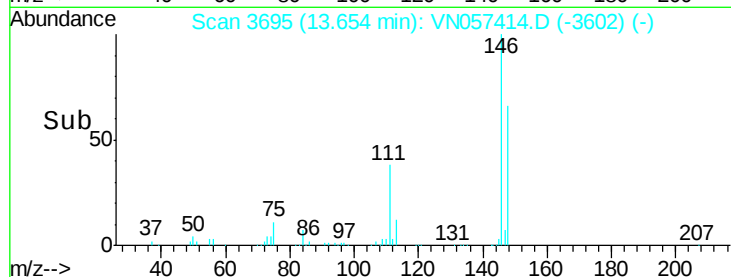
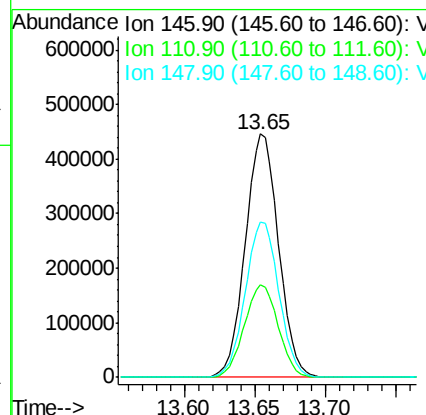
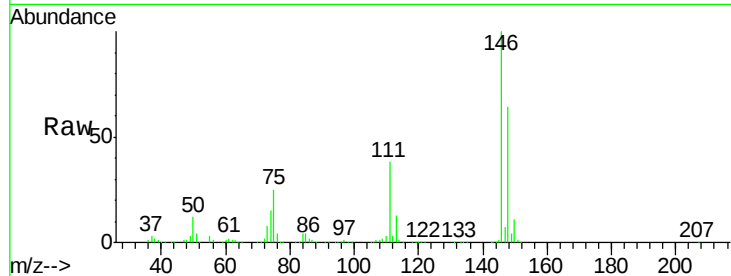
#91
 1,2-Dichlorobenzene
 Concen: 49.830 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.1
148	64.5	32.0	96.0

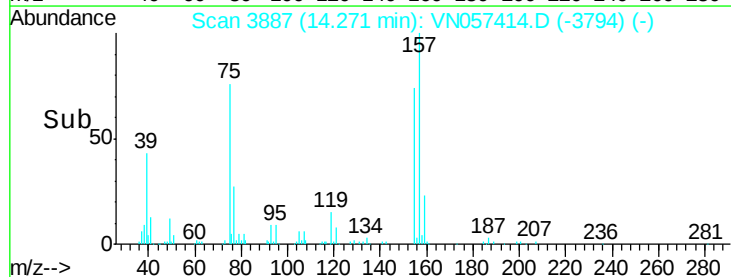
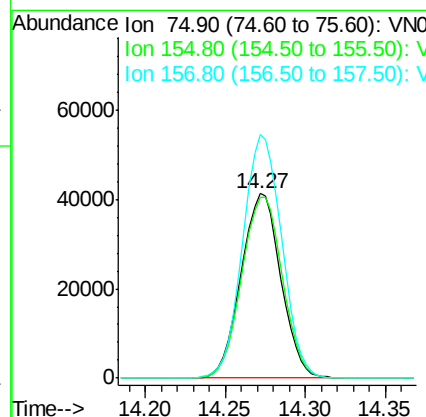
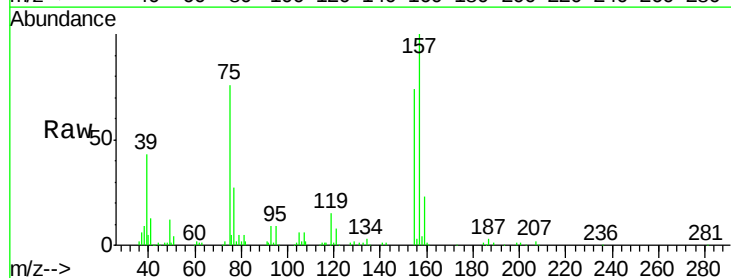
Manual Integrations
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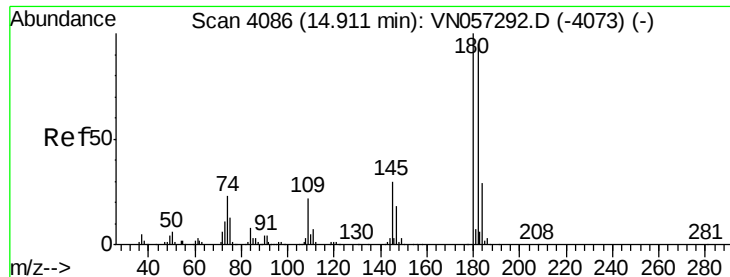
MMDadoda
 8/21/2019 9:45:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.354 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	49.6	148.8
157	129.2	63.7	191.1





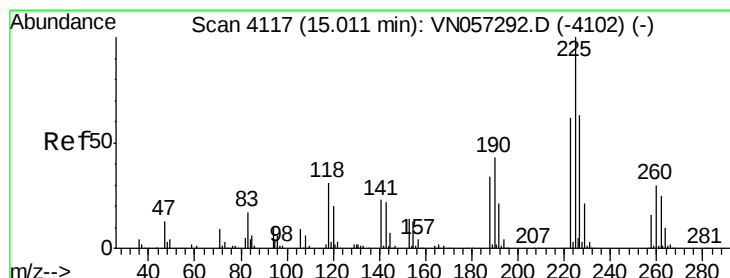
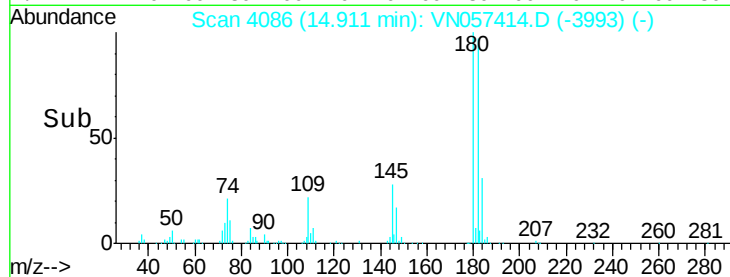
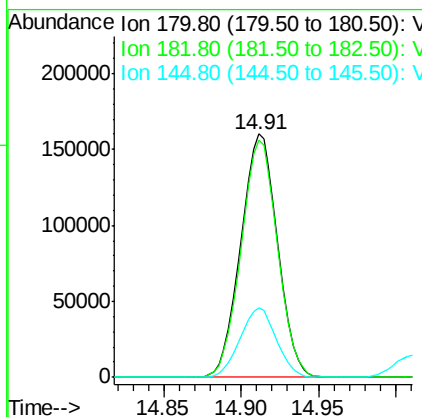
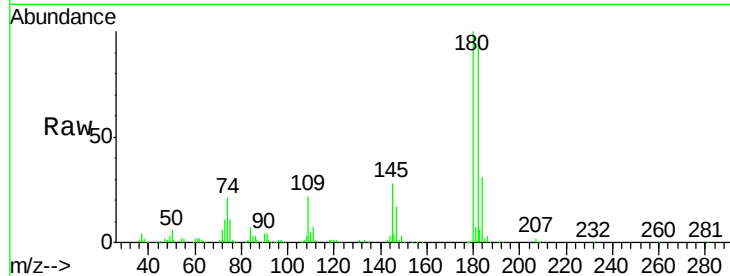
#93
 1,2,4-Trichlorobenzene
 Concen: 45.263 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	264594		
182	96.8	48.0	144.2	
145	28.2	14.5	43.6	

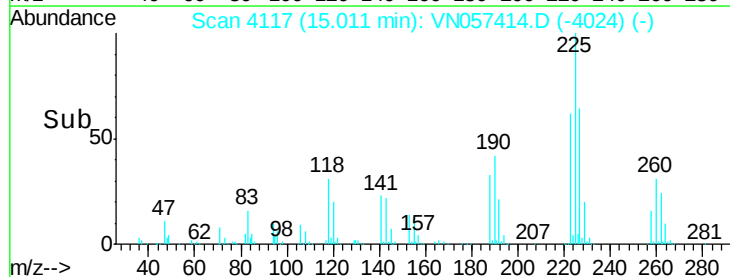
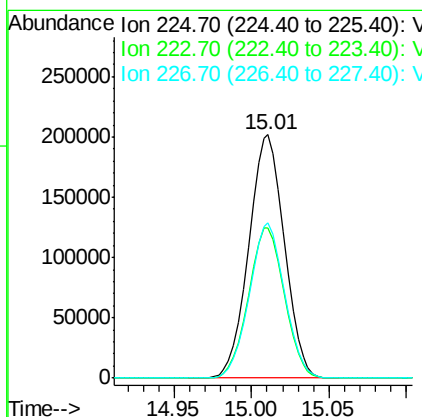
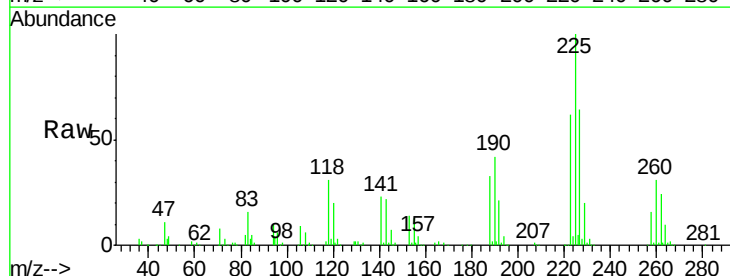
Manual Integrations
 APPROVED

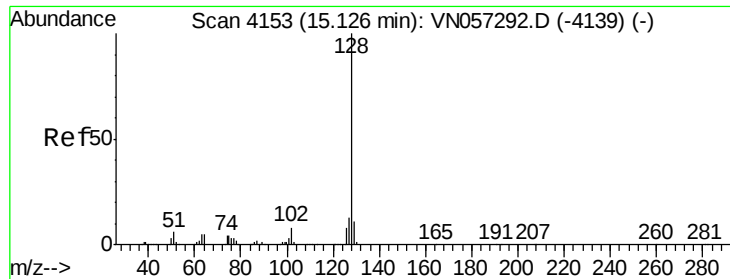
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 8/21/2019 9:45:28 AM



#94
 Hexachlorobutadiene
 Concen: 57.687 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057414.D
 Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	323469		
223	62.4	30.7	92.1	
227	63.0	30.9	92.7	





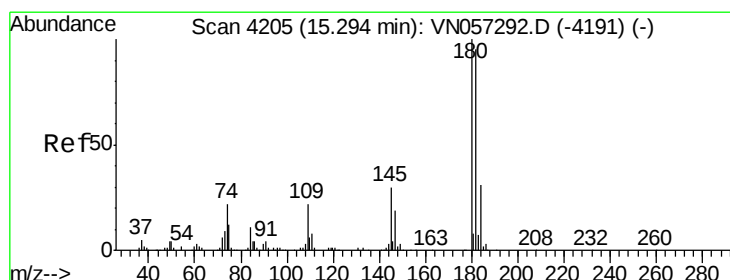
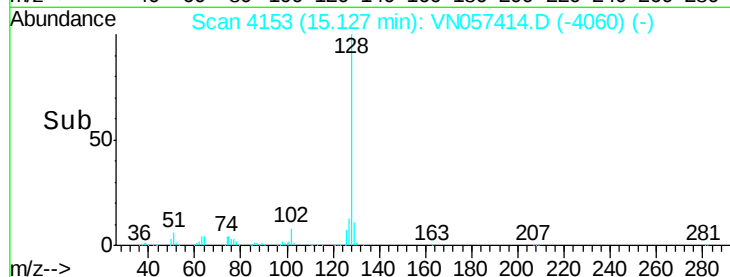
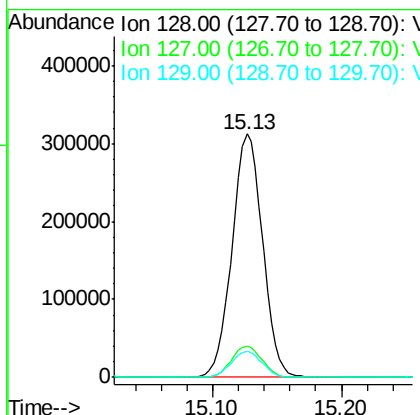
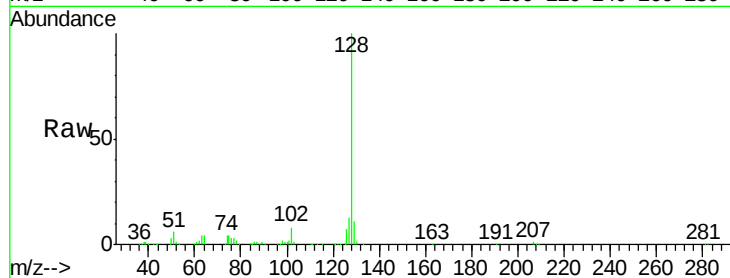
#95
Naphthalene
Concen: 54.725 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	513360		
127	12.9		10.5	15.7
129	10.9		8.8	13.2

Manual Integrations
APPROVED

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8/21/2019 9:45:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.954 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057414.D
Acq: 19 Aug 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	242500		
182	96.5		47.9	143.6
145	29.4		15.1	45.3

