

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058020.D
 Acq On : 13 Sep 2019 16:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:53:26 PM

Quant Time: Sep 14 03:50:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	338180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	538780	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	511015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	312834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	349680	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	7.57	113	256004	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.08	98	1008320	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.40	95	367896	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	239222	51.150	ug/l	100
3) Chloromethane	2.04	50	199359	41.823	ug/l	97
4) Vinyl Chloride	2.17	62	205433	40.721	ug/l	100
5) Bromomethane	2.54	94	135020	48.662	ug/l	98
6) Chloroethane	2.68	64	131722	40.974	ug/l	98
7) Trichlorofluoromethane	3.00	101	273054	43.009	ug/l	99
8) Diethyl Ether	3.39	74	129282	48.823	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	205139	51.220	ug/l	98
10) Methyl Iodide	3.93	142	200278	44.937	ug/l	98
11) Tert butyl alcohol	4.75	59	197061	237.705	ug/l	99
12) 1,1-Dichloroethene	3.72	96	168481	46.787	ug/l	96
13) Acrolein	3.58	56	50947	72.436	ug/l	100
14) Allyl chloride	4.30	41	336085	47.691	ug/l	99
15) Acrylonitrile	4.96	53	590198	259.014	ug/l	100
16) Acetone	3.79	43	604016	269.000	ug/l	99
17) Carbon Disulfide	4.03	76	237692	42.434	ug/l	99
18) Methyl Acetate	4.30	43	335973	56.118	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	778252	51.932	ug/l	100
20) Methylene Chloride	4.53	84	225959	52.933	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	181176	46.542	ug/l	97
22) Diisopropyl ether	5.92	45	856270	51.812	ug/l	96
23) Vinyl Acetate	5.87	43	3203593	273.525	ug/l	99
24) 1,1-Dichloroethane	5.82	63	458515	50.765	ug/l	99
25) 2-Butanone	6.81	43	864041	265.866	ug/l	97
26) 2,2-Dichloropropane	6.80	77	373496	52.253	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	258343	49.522	ug/l	98
28) Bromochloromethane	7.17	49	232809	51.594	ug/l	96
29) Tetrahydrofuran	7.19	42	519630	259.477	ug/l	99
30) Chloroform	7.36	83	480185	50.846	ug/l	97
31) Cyclohexane	7.64	56	314616	51.168	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	375291	50.106	ug/l	98
36) 1,1-Dichloropropene	7.78	75	298550	47.780	ug/l	99
37) Ethyl Acetate	6.90	43	327886	50.789	ug/l	99
38) Carbon Tetrachloride	7.76	117	302693	53.060	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	313266	47.692	ug/l	97
40) Benzene	8.03	78	951095	50.558	ug/l	98
41) Methacrylonitrile	7.15	41	159487m	54.423	ug/l	
42) 1,2-Dichloroethane	8.11	62	390445	51.897	ug/l	99
43) Isopropyl Acetate	8.15	43	599306	55.202	ug/l #	89
44) Trichloroethene	8.82	130	231988	50.279	ug/l	96
45) 1,2-Dichloropropane	9.11	63	288128	52.636	ug/l	100
46) Dibromomethane	9.20	93	175332	53.005	ug/l	99
47) Bromodichloromethane	9.40	83	364980	55.255	ug/l	99
48) Methyl methacrylate	9.19	41	287987	52.293	ug/l	99
49) 1,4-Dioxane	9.19	88	87828	943.063	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1789258	278.503	ug/l	100
52) Toluene	10.15	92	609177	51.414	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	386575	55.576	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	425042	55.346	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	264402	52.682	ug/l	98
56) Ethyl methacrylate	10.43	69	406709	53.813	ug/l	100
57) 1,3-Dichloropropane	10.71	76	459538	53.130	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	908645	255.259	ug/l	100
59) 2-Hexanone	10.75	43	1333613	276.944	ug/l	100
60) Dibromochloromethane	10.90	129	262862	56.402	ug/l	99
61) 1,2-Dibromoethane	11.00	107	249907	52.669	ug/l	99
64) Tetrachloroethene	10.63	164	187901	49.800	ug/l	97
65) Chlorobenzene	11.43	112	687105	51.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	254026	54.740	ug/l	100
67) Ethyl Benzene	11.51	91	1250306	53.346	ug/l	100
68) m/p-Xylenes	11.62	106	915965	106.690	ug/l	100
69) o-Xylene	11.95	106	452040	52.963	ug/l	96
70) Styrene	11.97	104	801180	54.544	ug/l	99
71) Bromoform	12.13	173	162502	56.166	ug/l #	98
73) Isopropylbenzene	12.25	105	1283821	52.887	ug/l	100
74) N-amyl acetate	12.07	43	546972	51.775	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	409240	50.070	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	371273m	52.463	ug/l	
77) Bromobenzene	12.53	156	294415	48.645	ug/l	100
78) n-propylbenzene	12.59	91	1507778	54.091	ug/l	100
79) 2-Chlorotoluene	12.68	91	886987	50.346	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1103863	53.819	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	103955	51.692	ug/l	94
82) 4-Chlorotoluene	12.78	91	941407	52.034	ug/l	99
83) tert-Butylbenzene	13.00	119	955768	52.422	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1119401	53.698	ug/l	100
85) sec-Butylbenzene	13.18	105	1309251	54.179	ug/l	99
86) p-Isopropyltoluene	13.29	119	1173670	55.122	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	569032	51.223	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	578908	51.339	ug/l	99
89) n-Butylbenzene	13.62	91	1097328	54.573	ug/l	99
90) Hexachloroethane	13.88	117	170352	53.797	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	575296	51.837	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75020	55.579	ug/l	99

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	364744	50.281	ug/l	99
94) Hexachlorobutadiene	15.02	225	155392	50.534	ug/l	98
95) Naphthalene	15.13	128	1009122	55.269	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	342434	53.991	ug/l	99

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

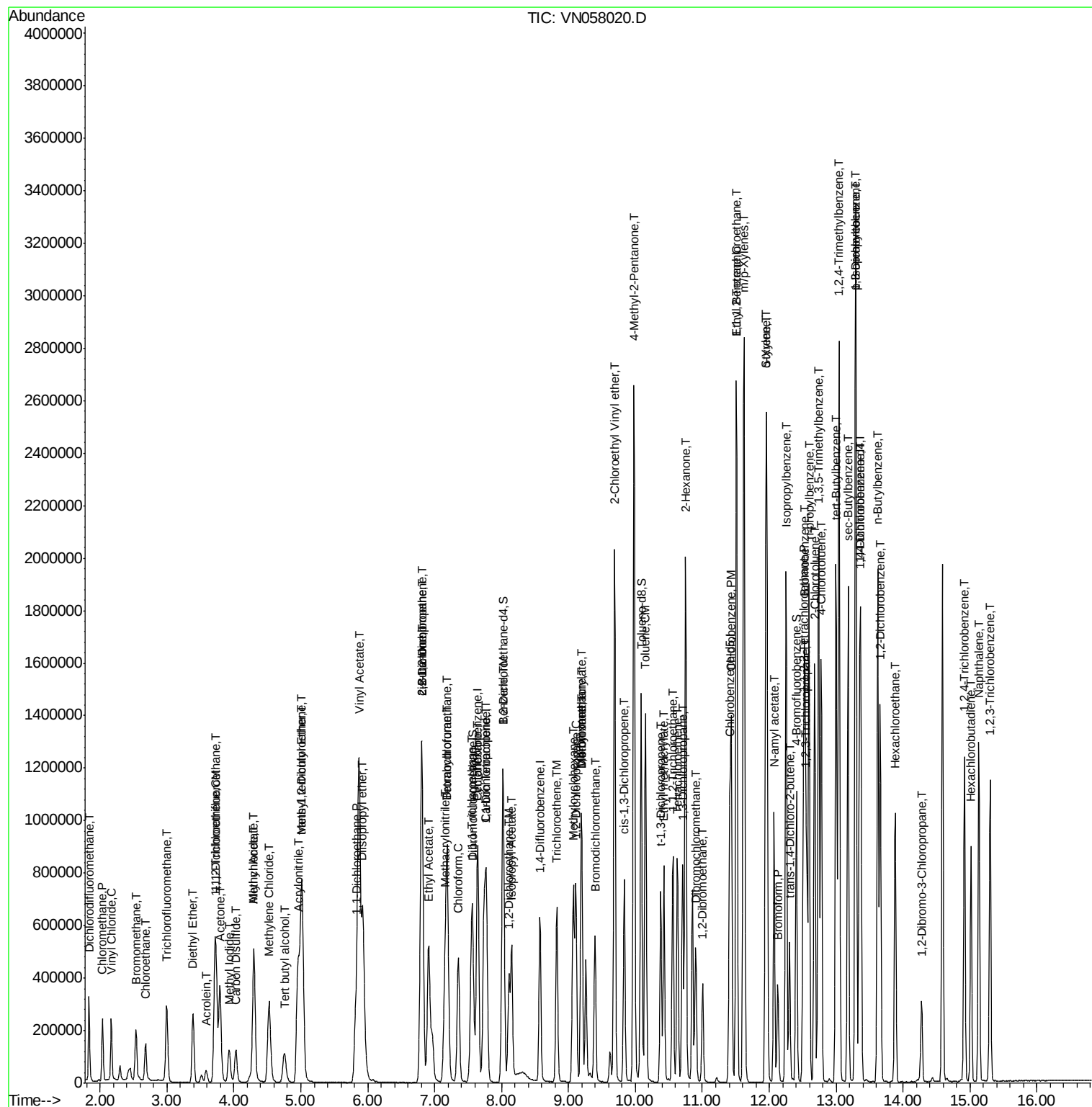
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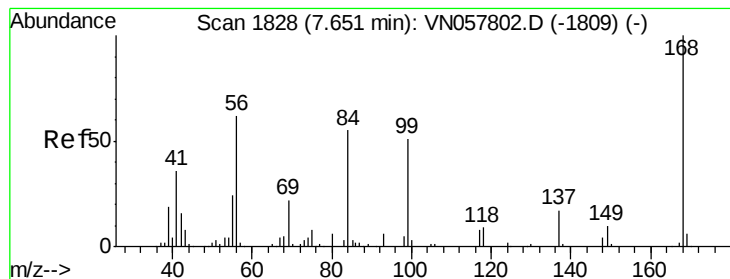
Instrument :
 MSVOA_N
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 338180

Ion Ratio Lower Upper

168 100

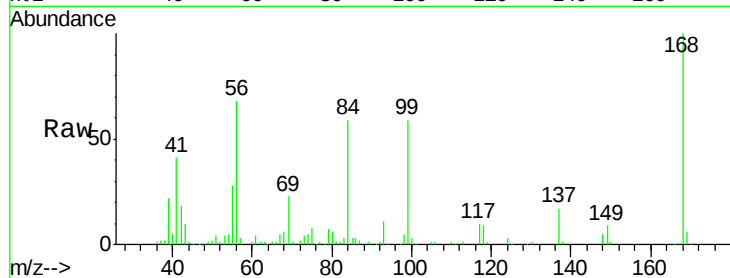
99 59.3 48.0 72.0

Manual Integrations

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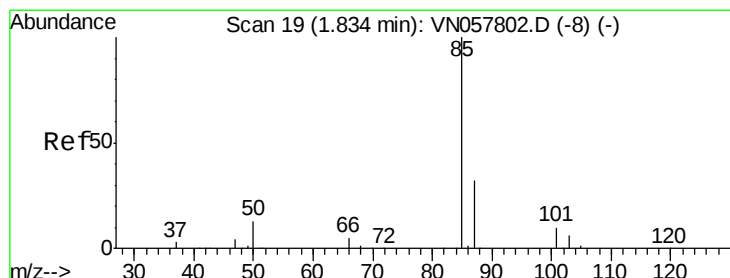
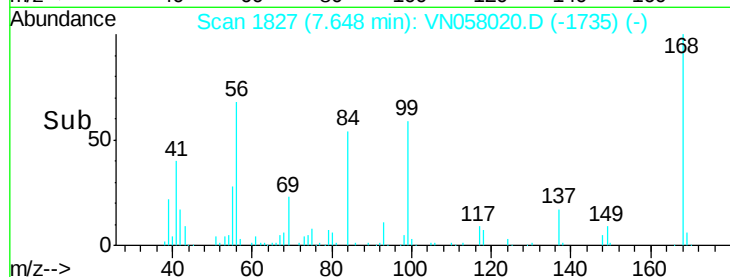
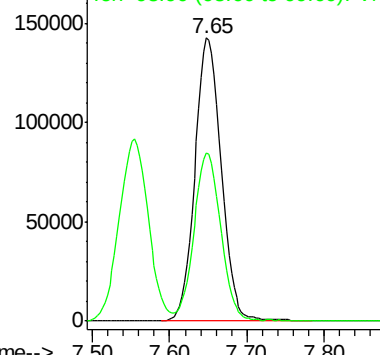
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.150 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058020.D

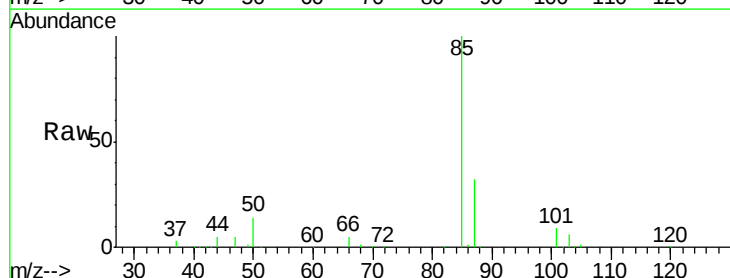
Acq: 13 Sep 2019 16:24

Tgt Ion: 85 Resp: 239222

Ion Ratio Lower Upper

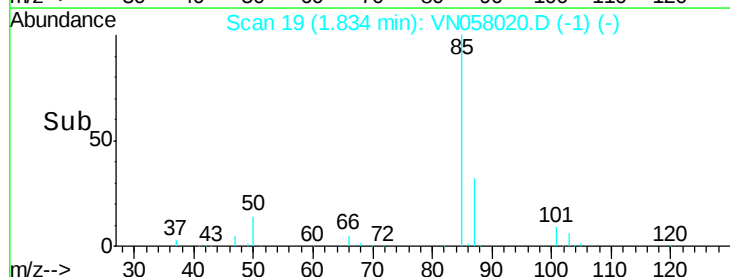
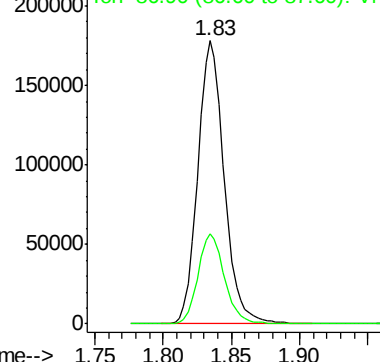
85 100

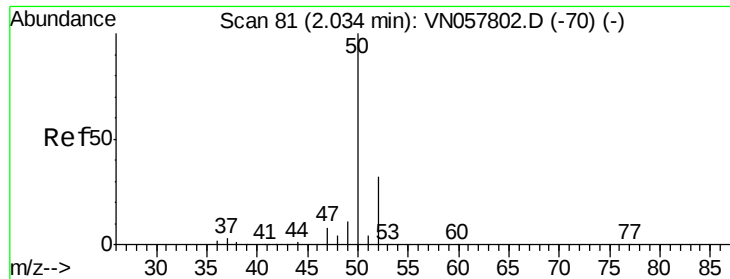
87 31.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.823 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 199359

Ion Ratio Lower Upper

50 100

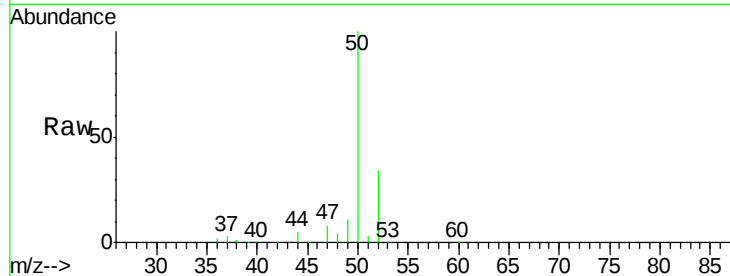
52 33.7 25.5 38.3

Manual Integrations

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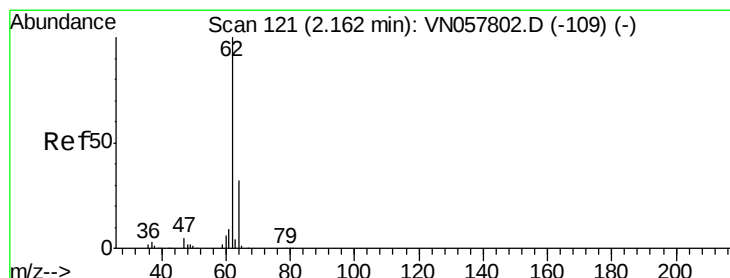
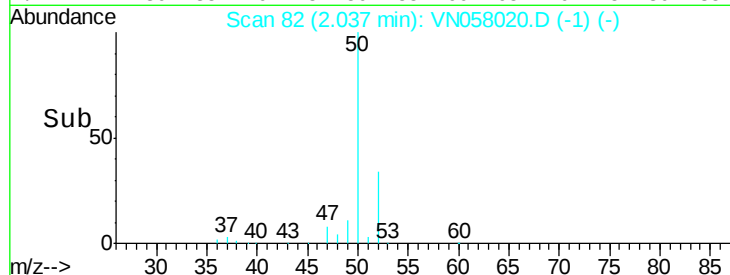
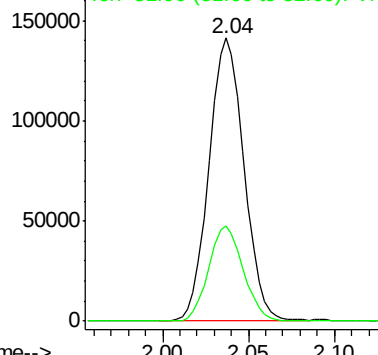
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 40.721 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058020.D

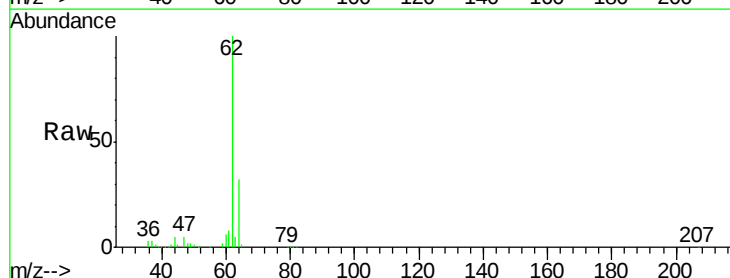
Acq: 13 Sep 2019 16:24

Tgt Ion: 62 Resp: 205433

Ion Ratio Lower Upper

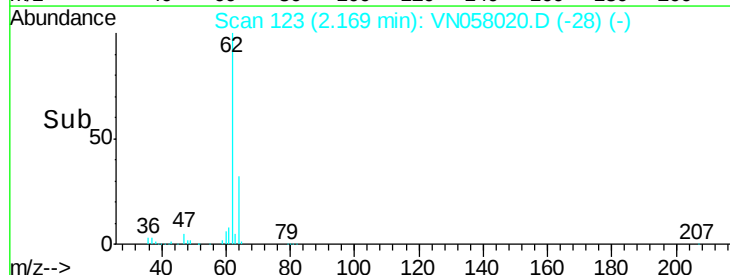
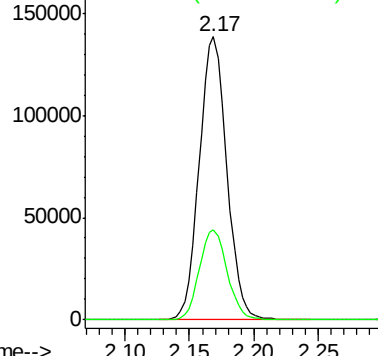
62 100

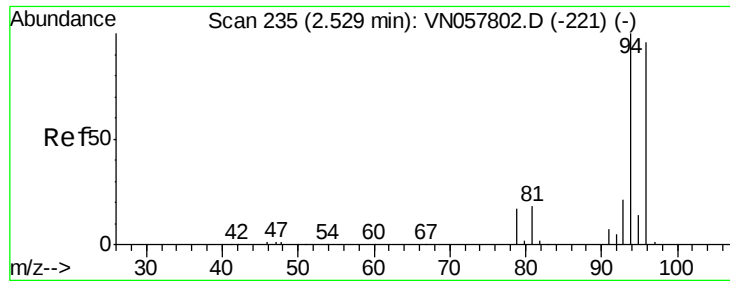
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.662 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 135020

Ion Ratio Lower Upper

94 100

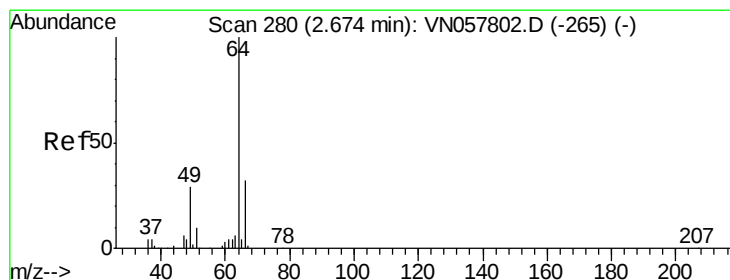
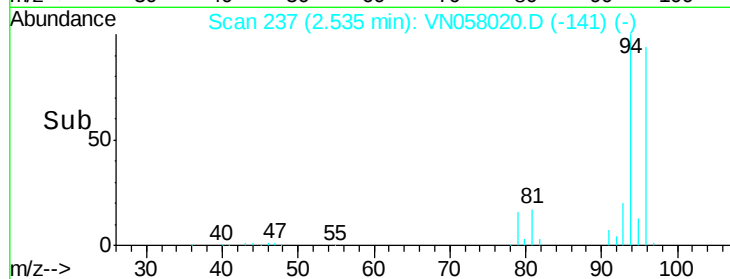
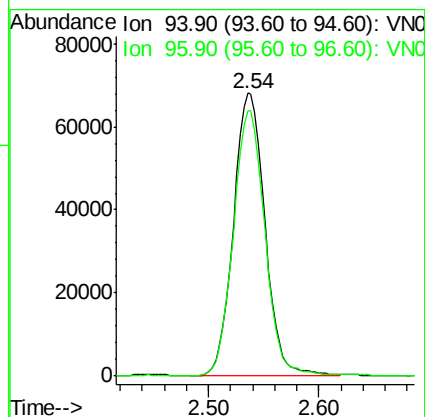
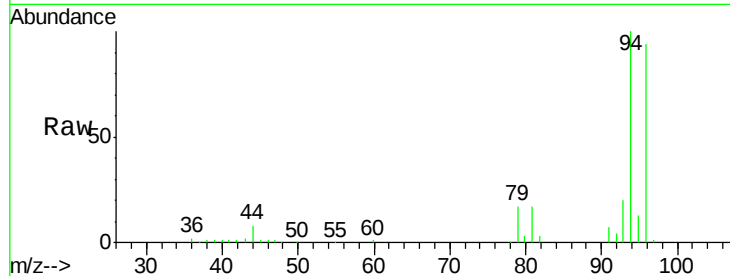
96 93.9 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 40.974 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058020.D

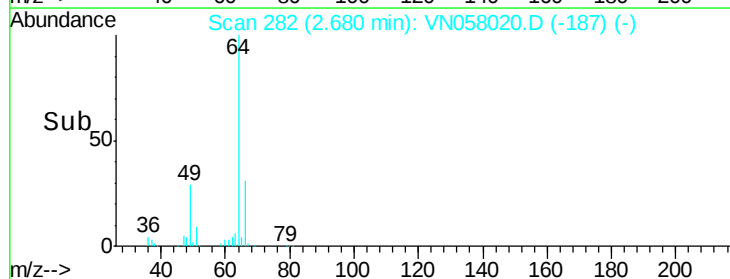
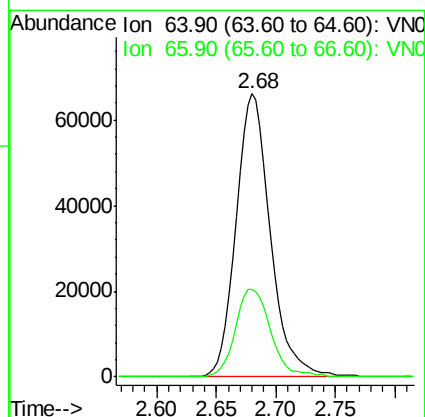
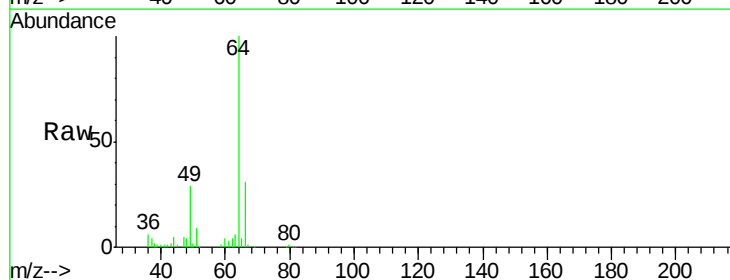
Acq: 13 Sep 2019 16:24

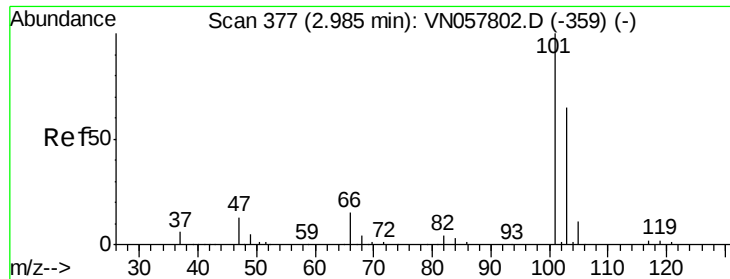
Tgt Ion: 64 Resp: 131722

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3





#7

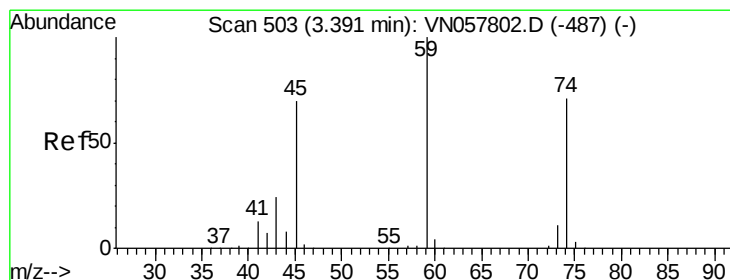
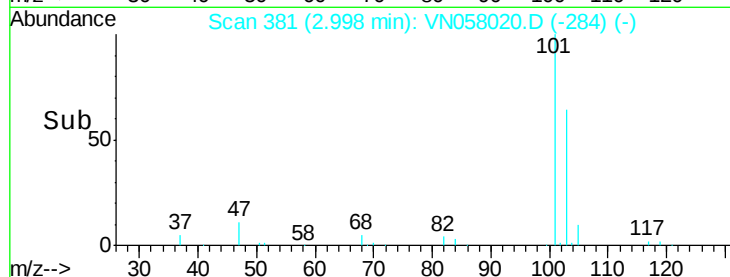
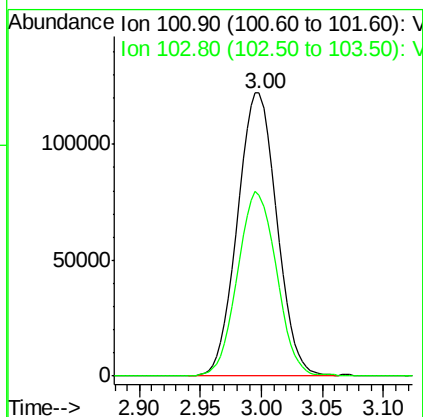
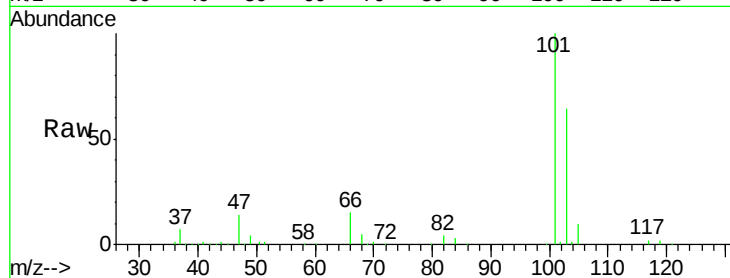
Trichlorofluoromethane
Concen: 43.009 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 273054
Ion Ratio Lower Upper
101 100
103 64.1 51.9 77.9

Manual Integrations
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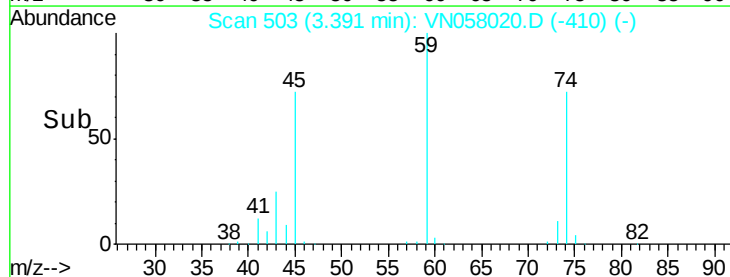
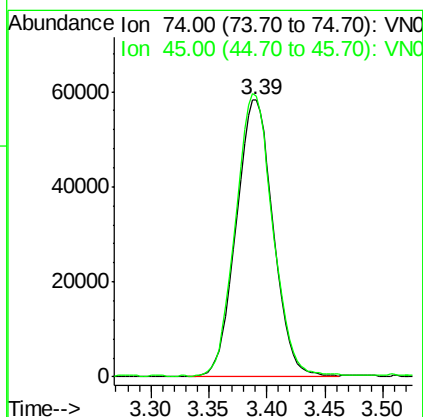
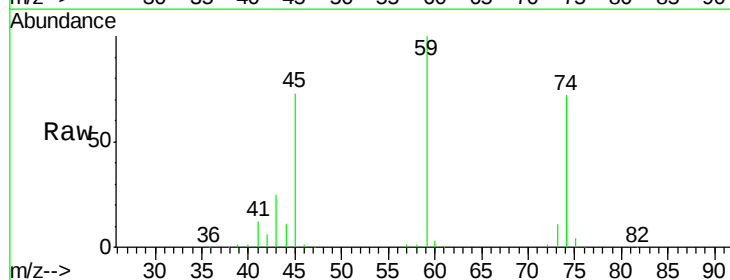
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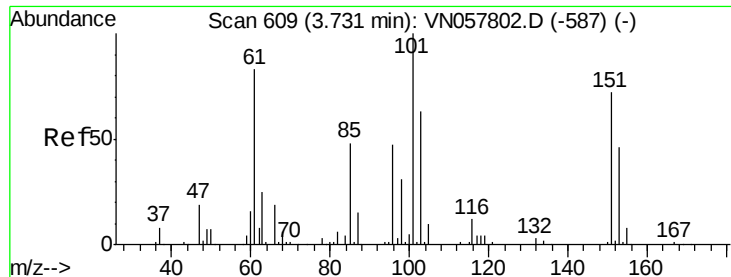


#8

Diethyl Ether
Concen: 48.823 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion: 74 Resp: 129282
Ion Ratio Lower Upper
74 100
45 102.0 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.220 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

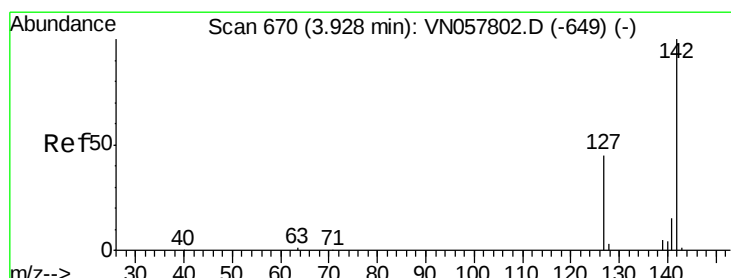
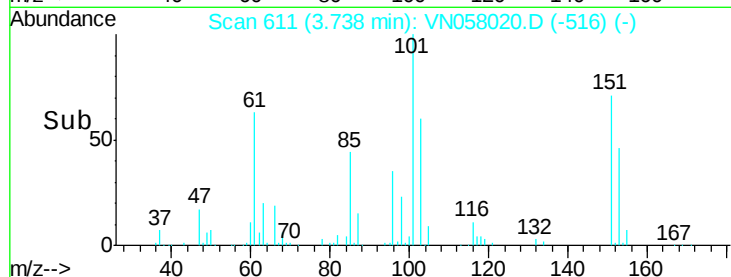
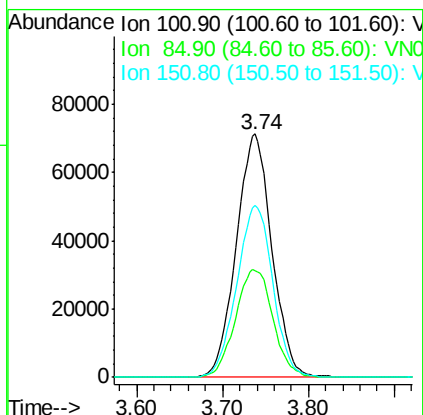
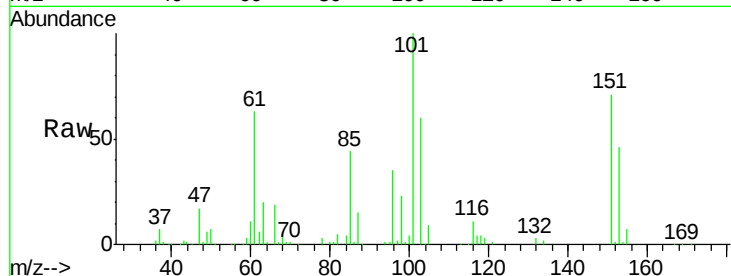
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	205139
Ion Ratio	Lower	Upper	
101	100		
85	46.6	38.1	57.1
151	71.5	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 44.937 ug/l

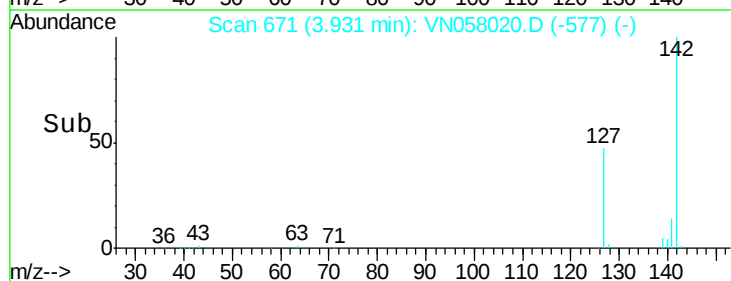
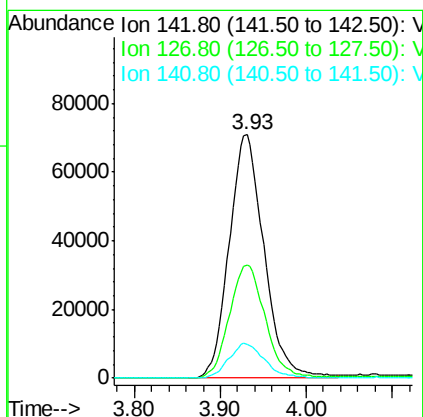
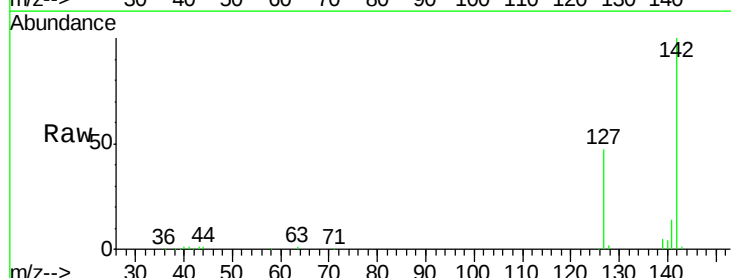
RT: 3.93 min Scan# 671

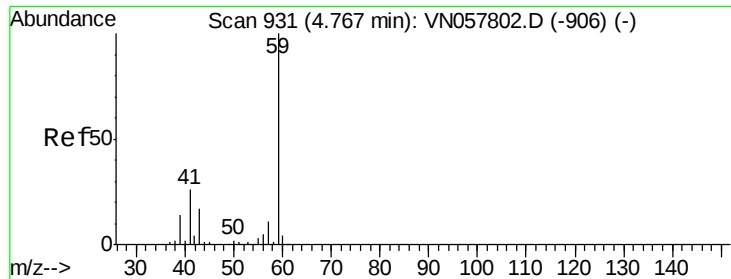
Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Tgt Ion:	142	Resp:	200278
Ion Ratio	Lower	Upper	
142	100		
127	47.7	36.7	55.1
141	14.6	11.4	17.0





#11

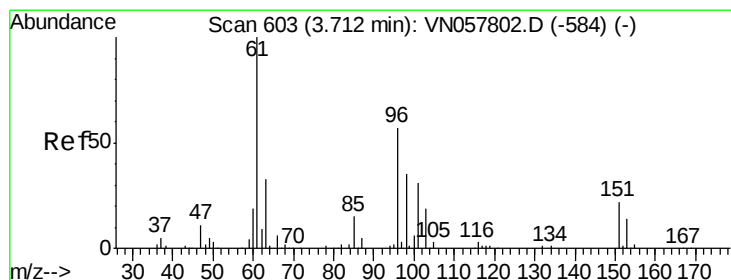
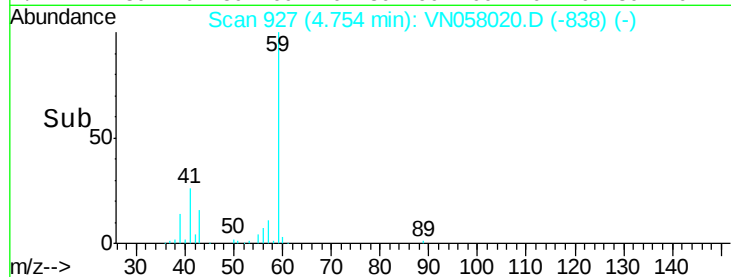
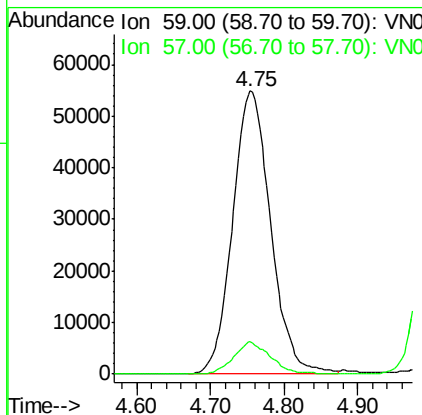
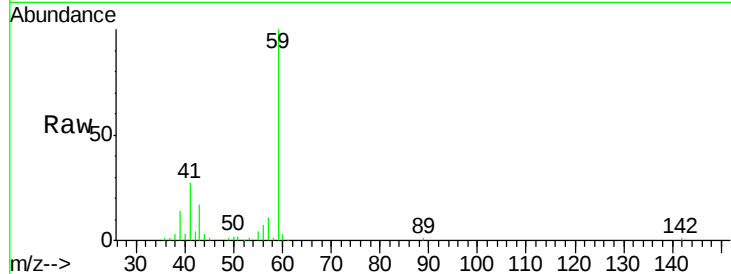
Tert butyl alcohol
 Concen: 237.705 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	197061		
57	57	10.8		8.4	12.6

Manual Integrations
 APPROVED

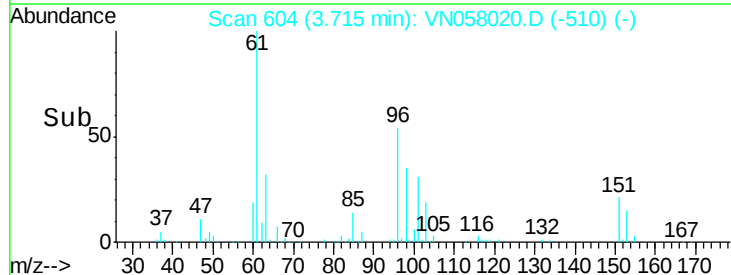
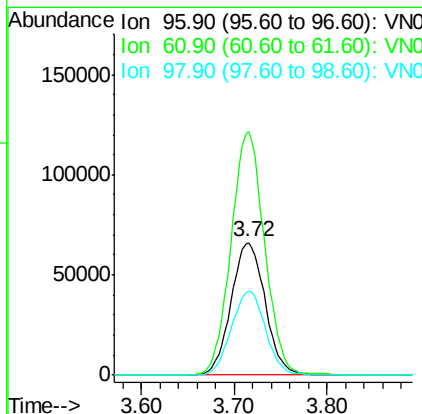
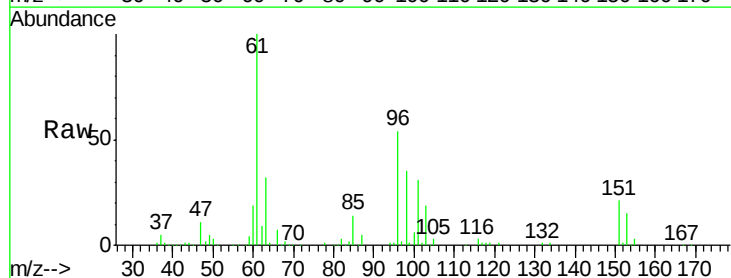
MMDadoda
 9/16/2019 2:53:26 PM

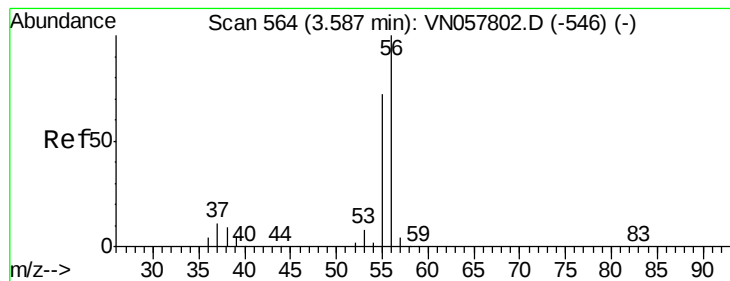


#12

1,1-Dichloroethene
 Concen: 46.787 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	168481		
61	61	183.9		141.2	211.8
98	98	63.6		49.9	74.9





#13

Acrolein

Concen: 72.436 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50947

Ion Ratio Lower Upper

56 100

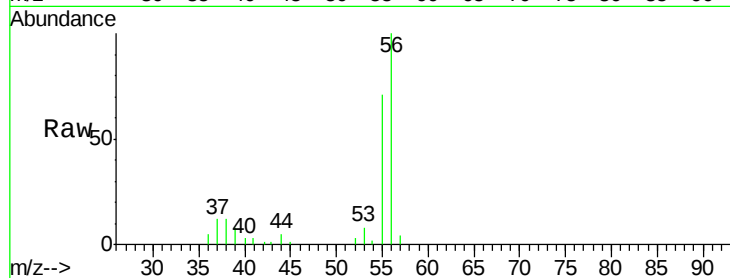
55 71.9 57.3 85.9

Manual Integrations

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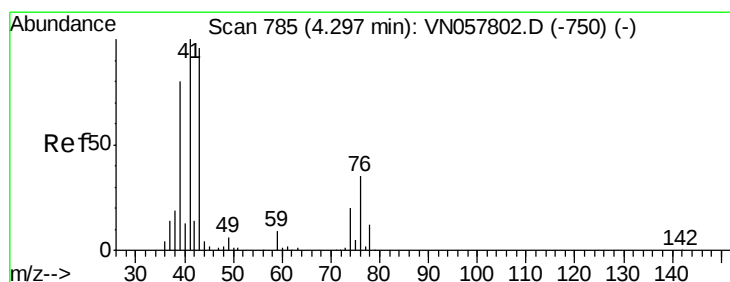
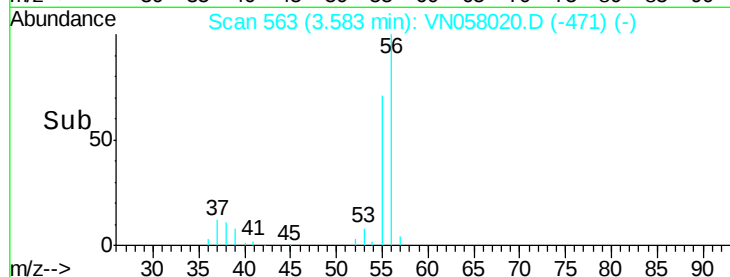
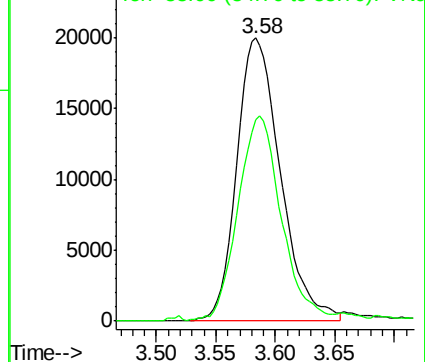
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.691 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

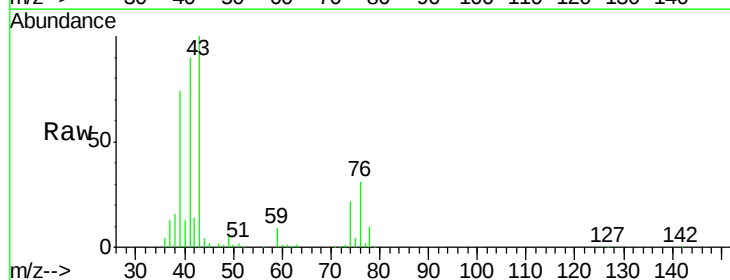
Tgt Ion: 41 Resp: 336085

Ion Ratio Lower Upper

41 100

39 75.5 59.4 89.2

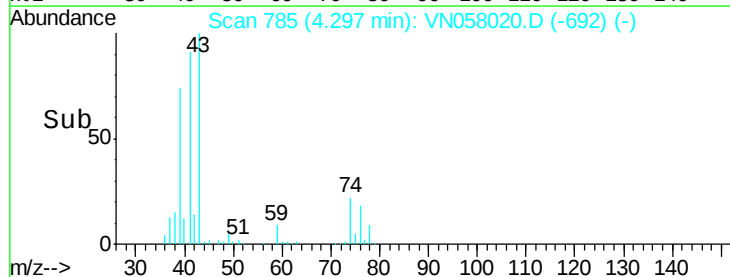
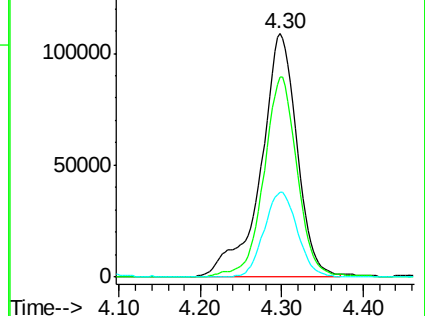
76 32.4 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 259.014 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

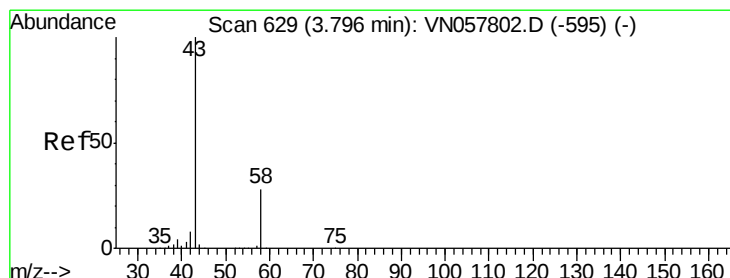
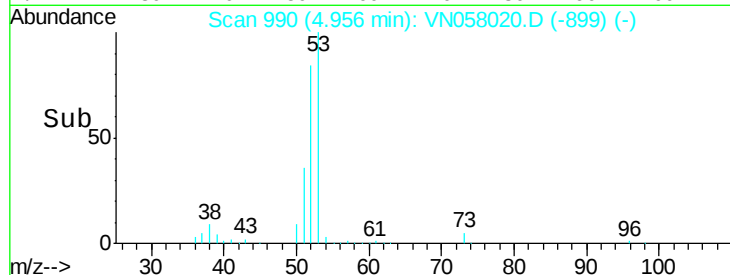
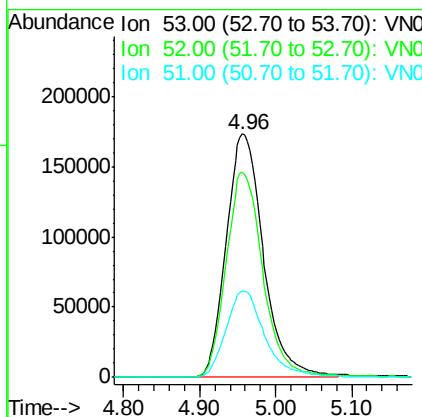
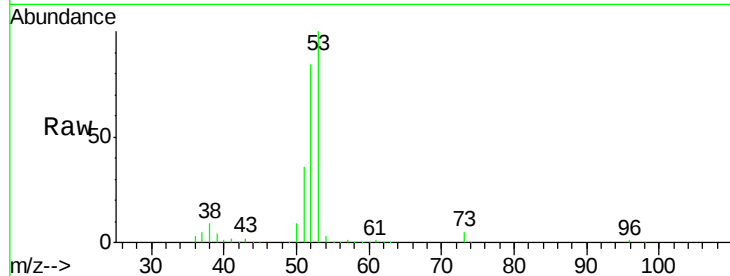
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	590198
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.6	100.0
51	37.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 269.000 ug/l

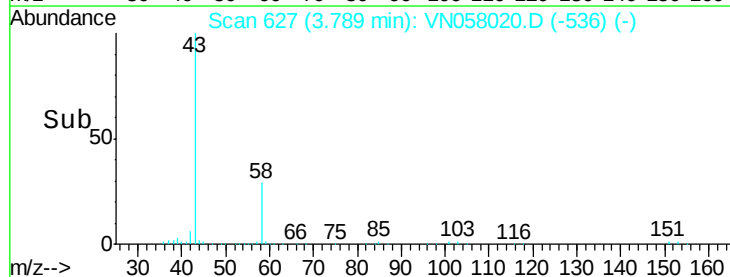
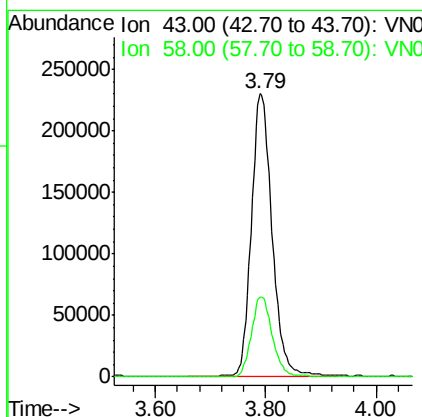
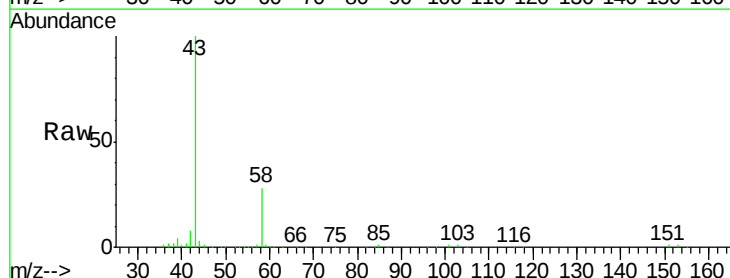
RT: 3.79 min Scan# 627

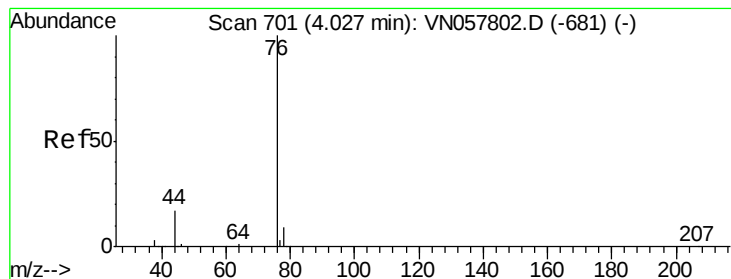
Delta R.T. -0.01 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Tgt Ion:	43	Resp:	604016
Ion Ratio	Lower	Upper	
43	100		
58	28.3	22.2	33.2





#17

Carbon Disulfide

Concen: 42.434 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 237692

Ion Ratio Lower Upper

76 100

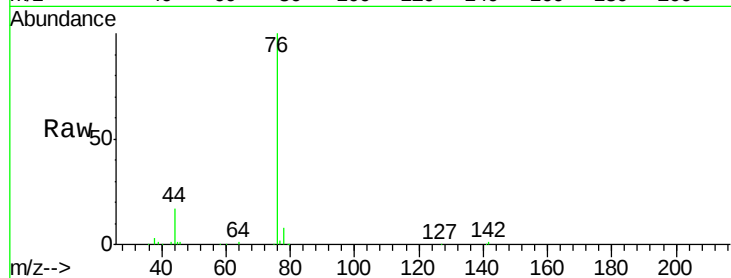
78 8.4 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

100000

80000

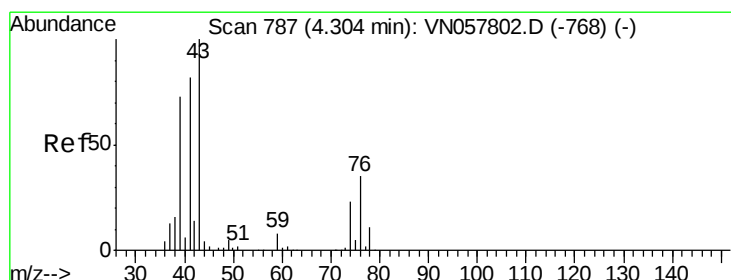
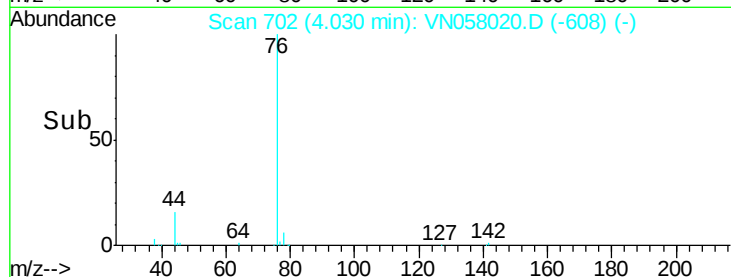
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 56.118 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.01 min

Lab File: VN058020.D

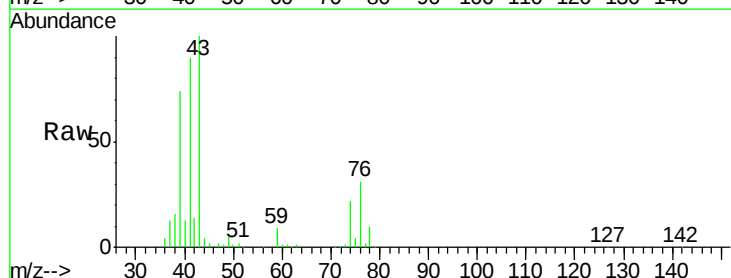
Acq: 13 Sep 2019 16:24

Tgt Ion: 43 Resp: 335973

Ion Ratio Lower Upper

43 100

74 22.6 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

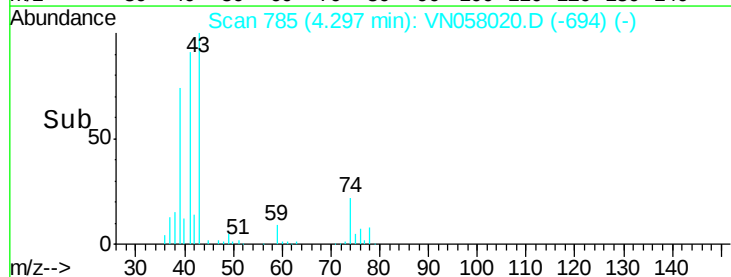
4.30

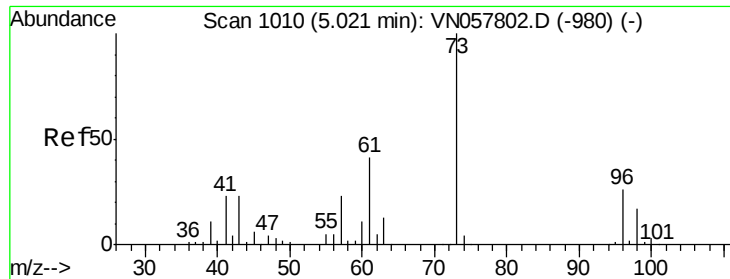
100000

50000

0

Time-->





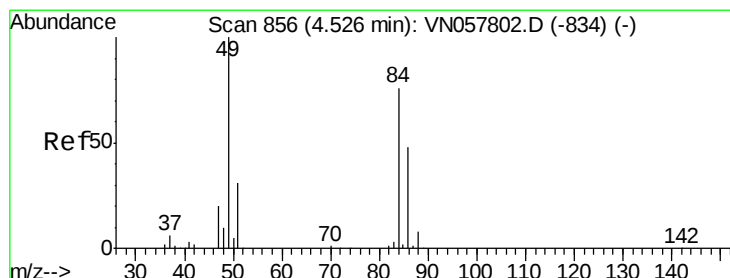
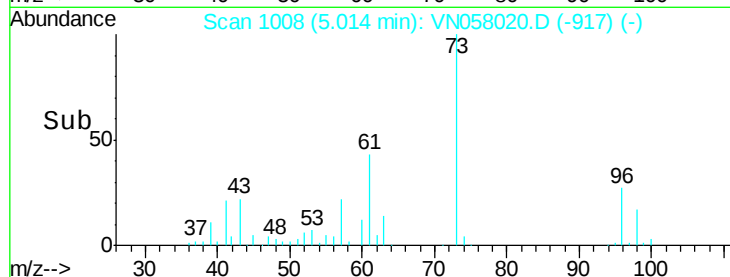
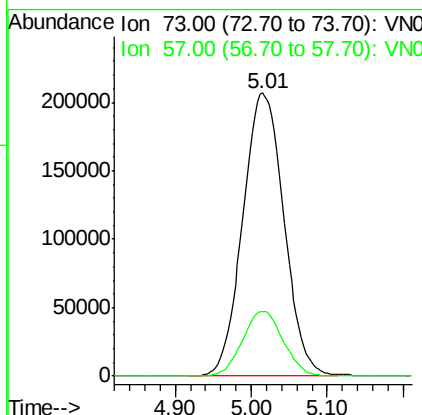
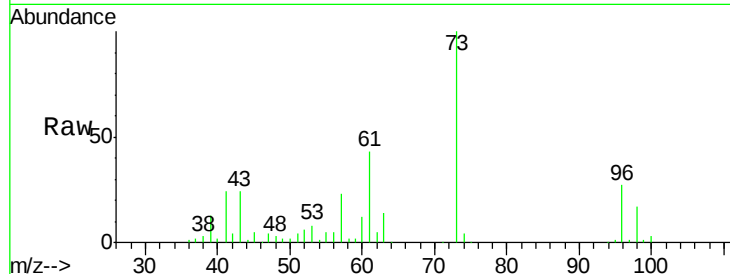
#19
Methvl tert-butvl Ether
Concen: 51.932 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 778252
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.2

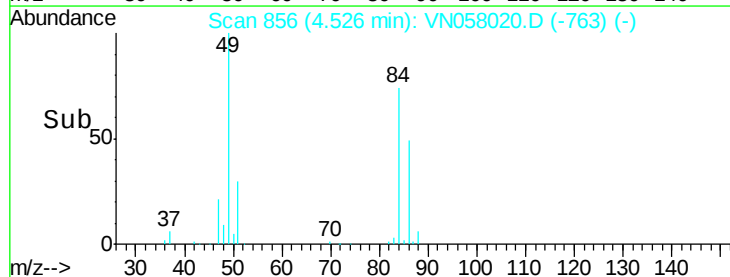
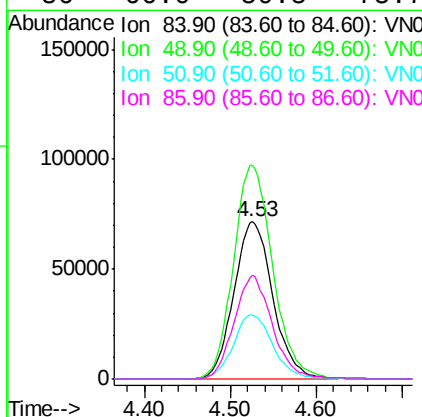
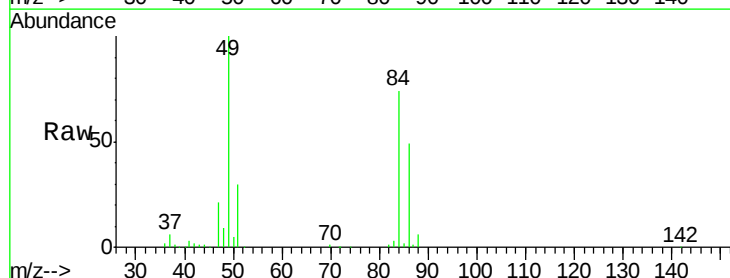
Manual Integrations
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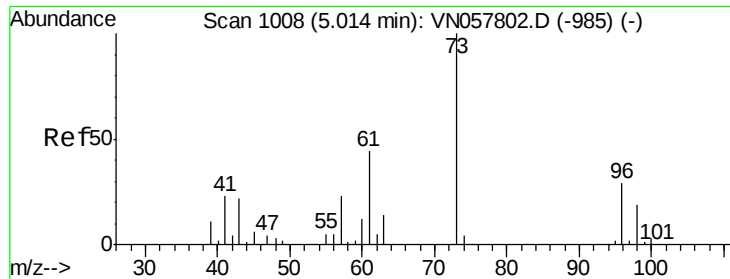
MMDadoda
9/16/2019 2:53:26 PM



#20
Methylene Chloride
Concen: 52.933 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion: 84 Resp: 225959
Ion Ratio Lower Upper
84 100
49 135.6 104.8 157.2
51 40.4 33.0 49.4
86 66.0 50.5 75.7





#21

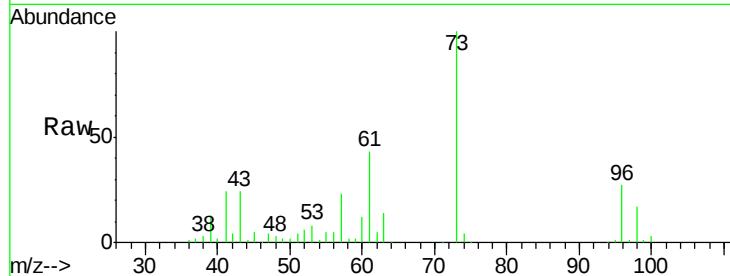
trans-1,2-Dichloroethene
Concen: 46.542 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.3	121.9	182.9
98	63.2	52.2	78.4

Manual Integrations
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9/16/2019 2:53:26 PM

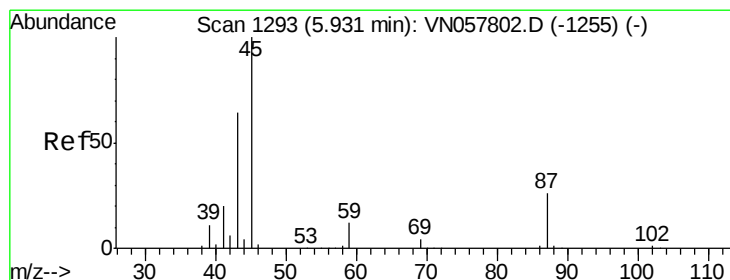
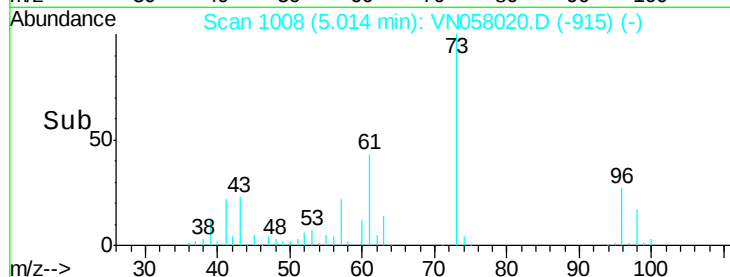
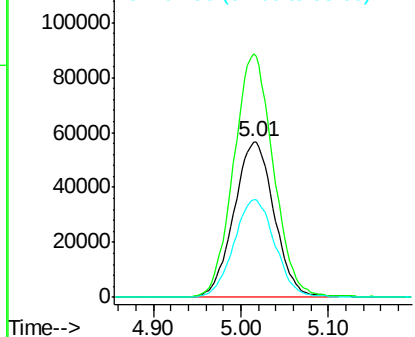


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether
Concen: 51.812 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.2	51.4	77.2
87	25.4	21.3	31.9
59	11.6	9.3	13.9

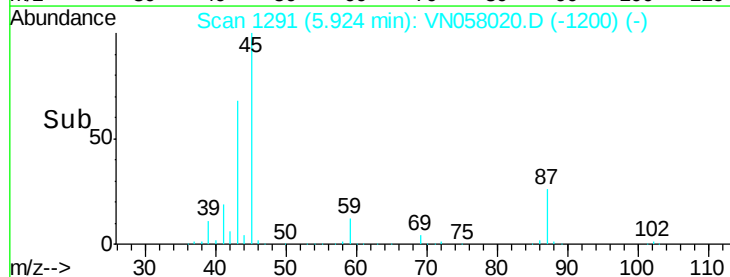
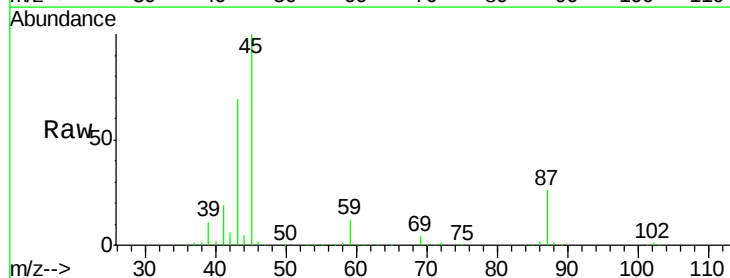
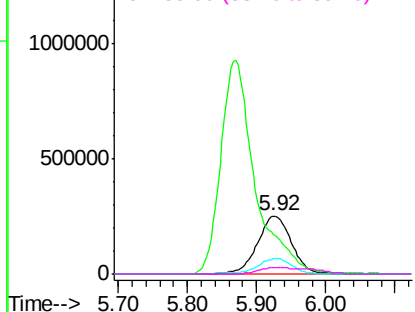
Abundance

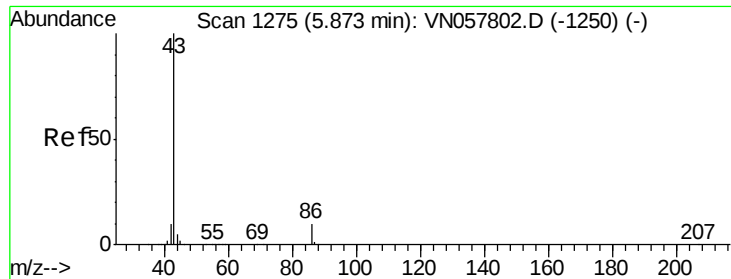
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 273.525 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3203593

Ion Ratio Lower Upper

43 100

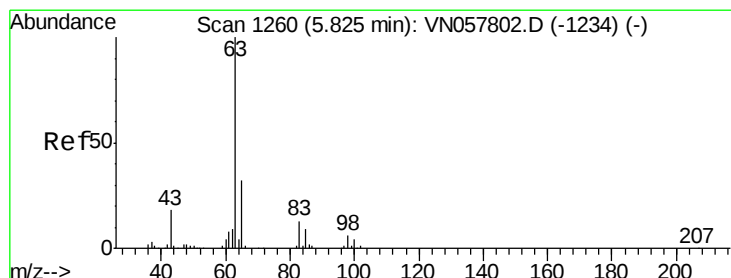
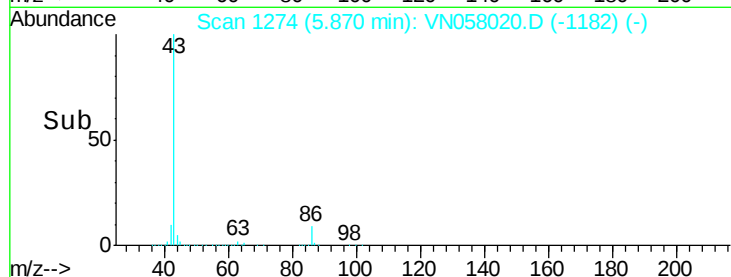
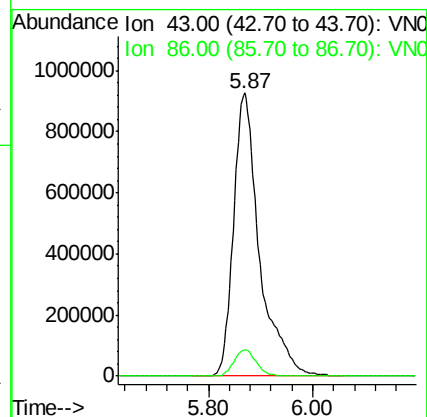
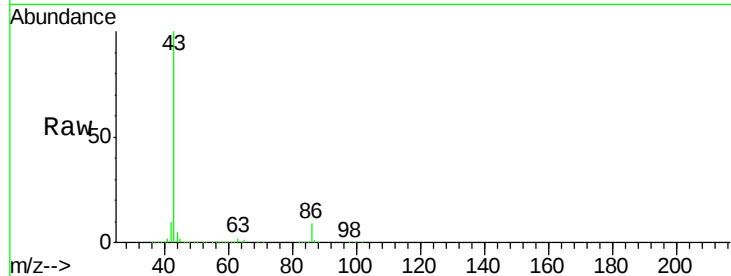
86 9.2 7.7 11.5

Manual Integrations

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MMDadoda

9/16/2019 2:53:26 PM



#24

1,1-Dichloroethane

Concen: 50.765 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

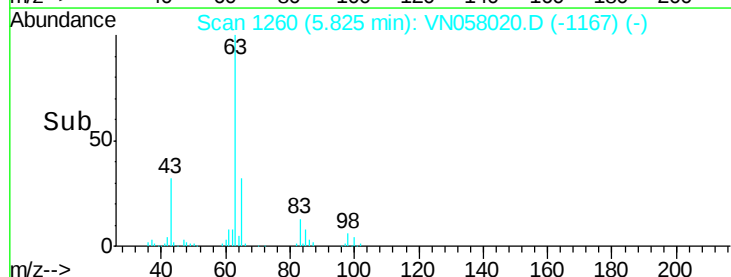
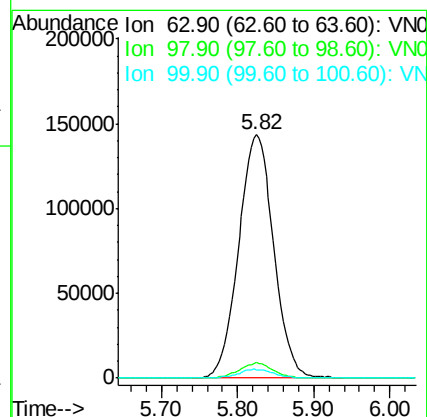
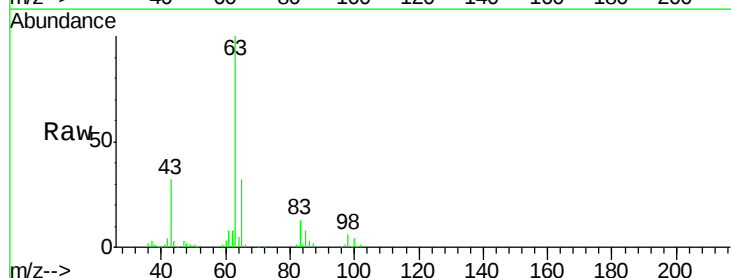
Tgt Ion: 63 Resp: 458515

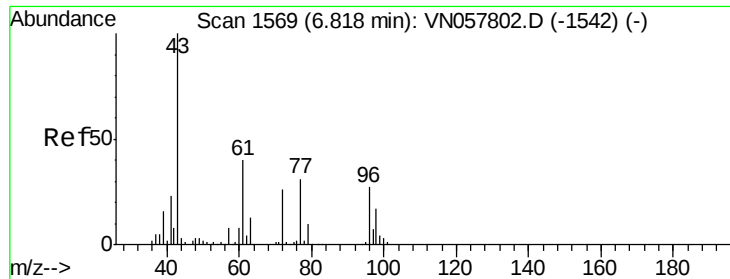
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.6 2.0 5.8





#25

2-Butanone

Concen: 265.866 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 864041

Ion Ratio Lower Upper

43 100

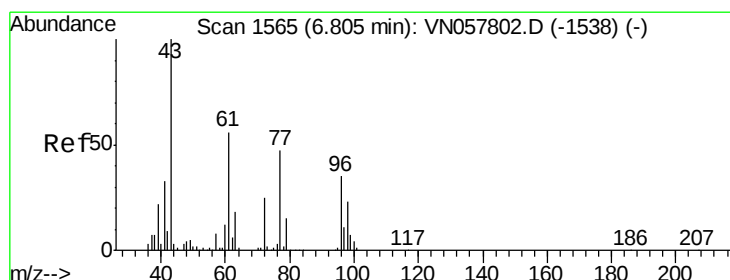
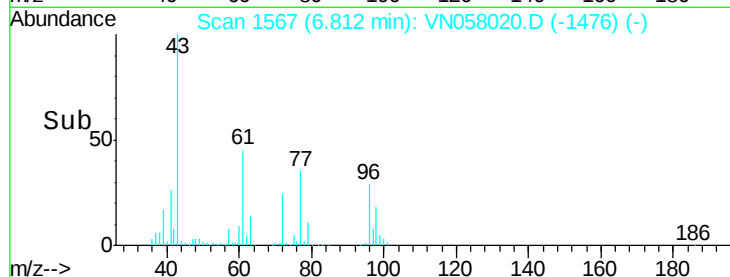
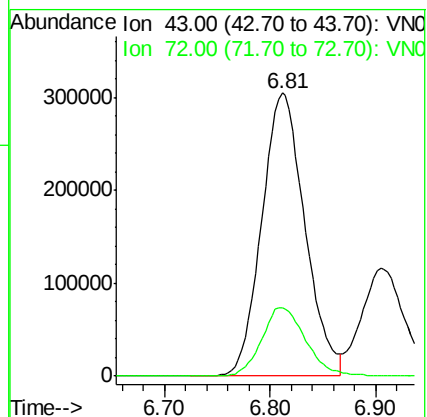
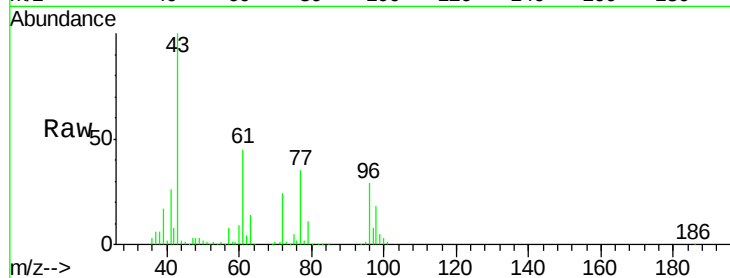
72 24.2 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.253 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058020.D

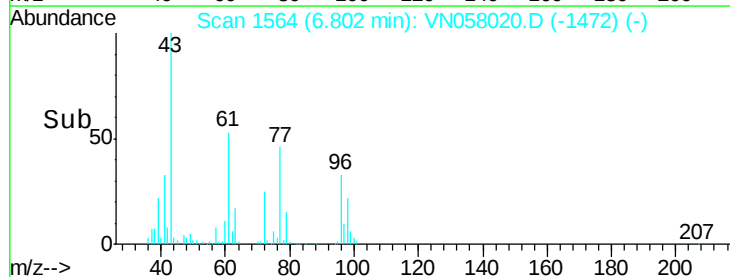
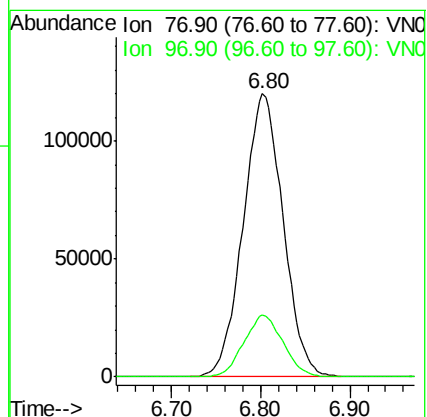
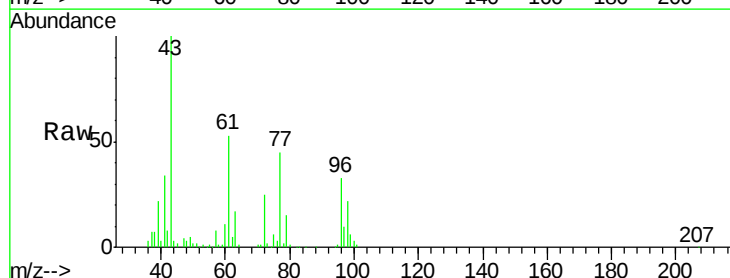
Acq: 13 Sep 2019 16:24

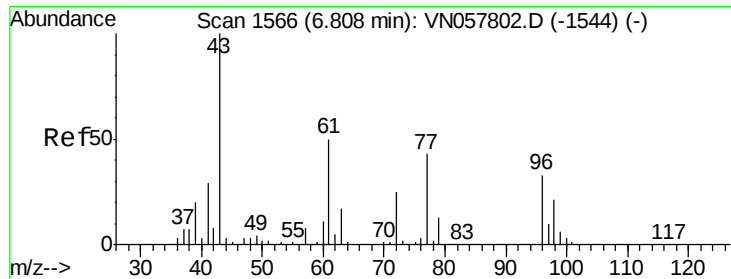
Tgt Ion: 77 Resp: 373496

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 49.522 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

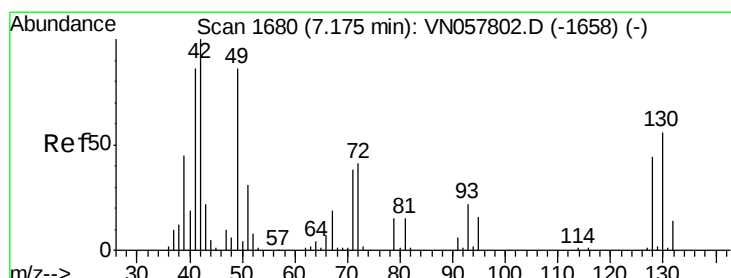
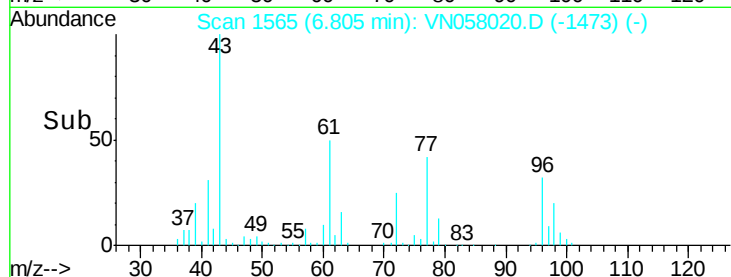
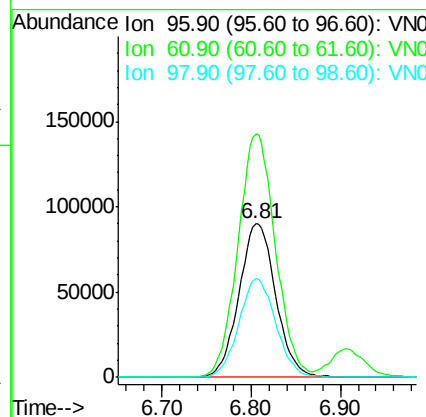
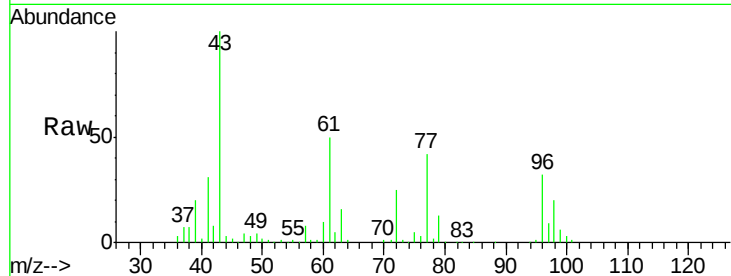
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	258343
Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	314.0
98	64.9	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 51.594 ug/l

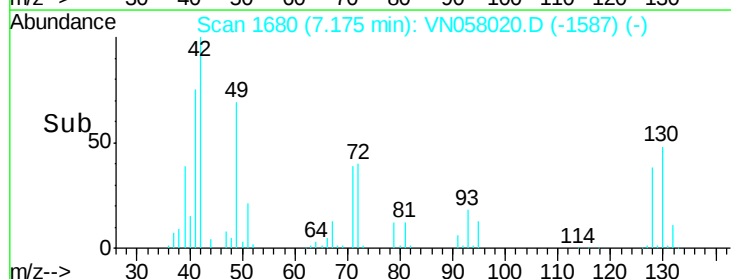
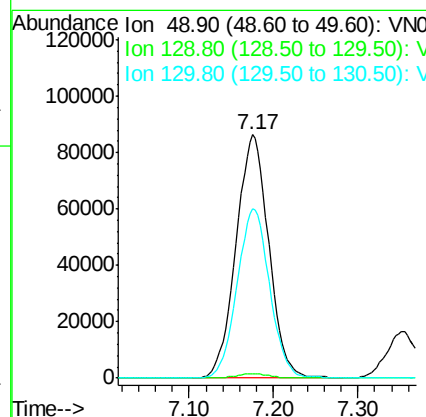
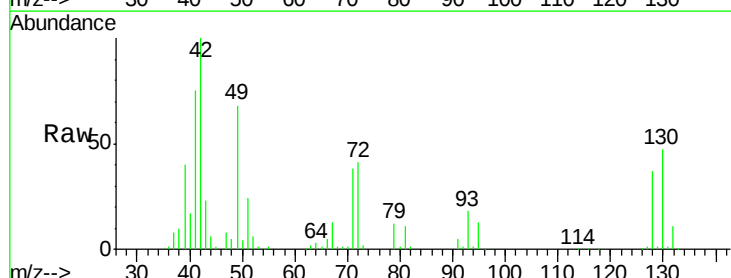
RT: 7.17 min Scan# 1680

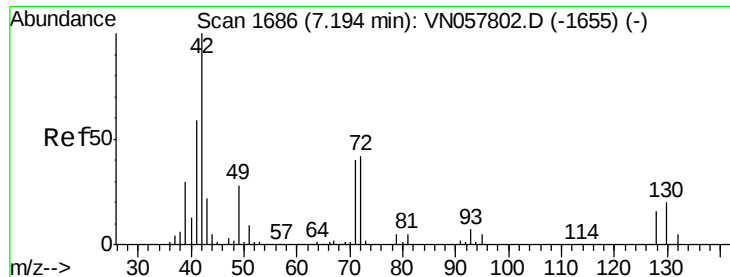
Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Tgt Ion:	49	Resp:	232809
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	69.3	53.0	79.6





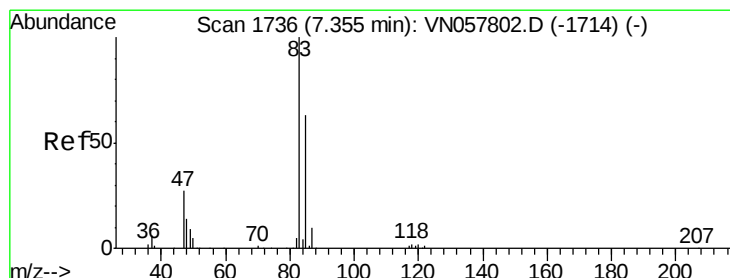
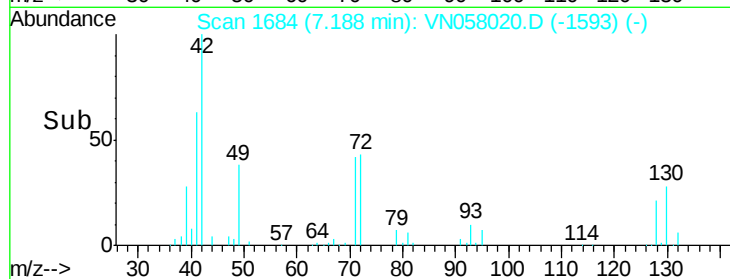
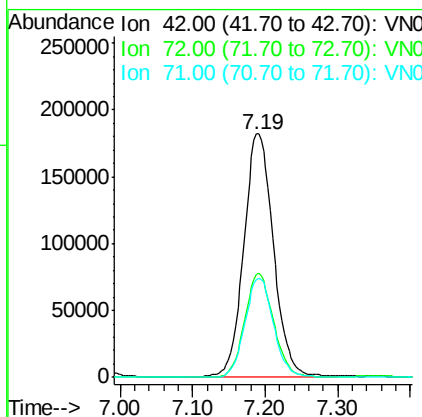
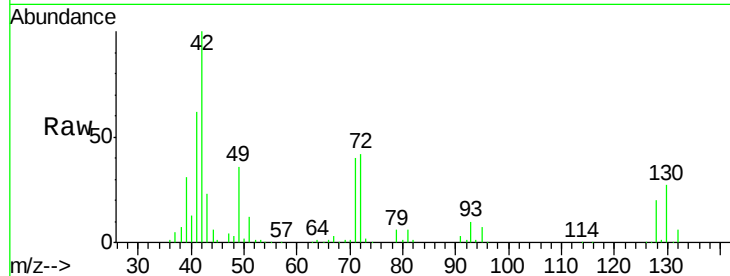
#29
Tetrahydrofuran
Concen: 259.477 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.7	50.5
71	39.3	31.9	47.9

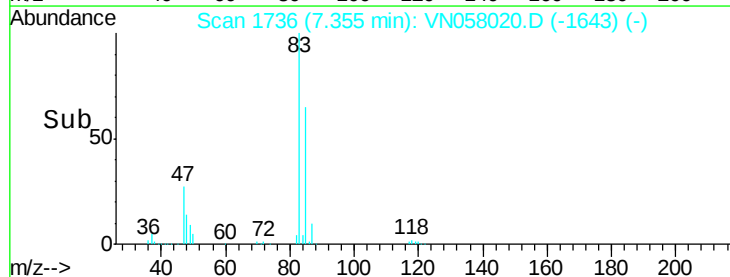
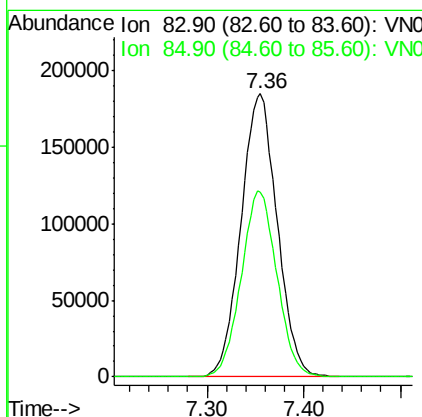
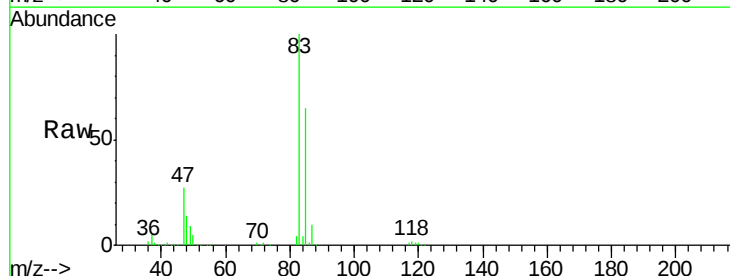
Manual Integrations
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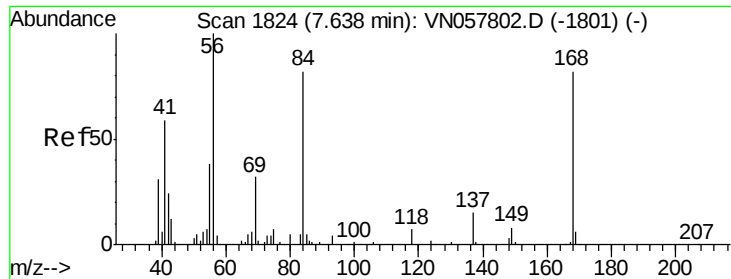
MMDadoda
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#30
Chloroform
Concen: 50.846 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.6	75.8





#31

Cyclohexane

Concen: 51.168 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

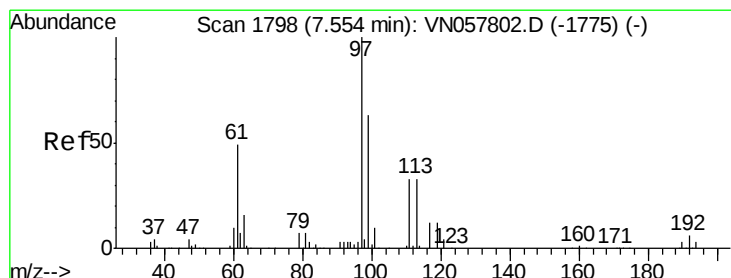
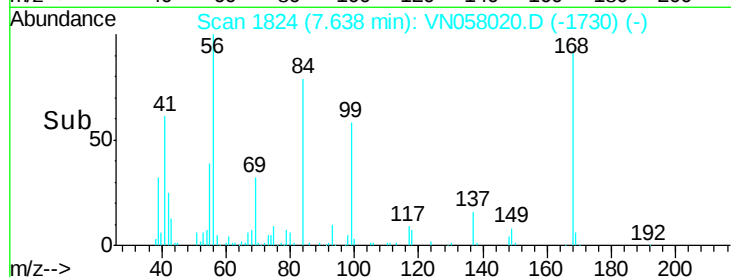
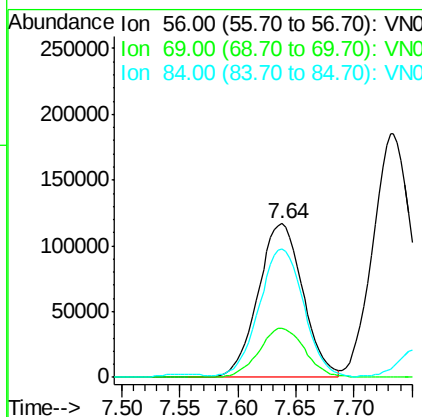
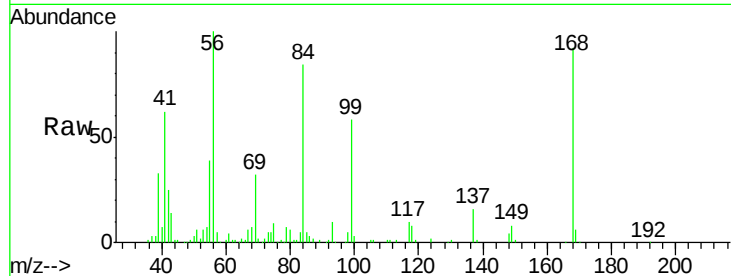
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	314616
Ion Ratio	Lower	Upper	
56	100		
69	32.1	25.9	38.9
84	81.3	65.6	98.4

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#32

1,1,1-Trichloroethane

Concen: 50.106 ug/l

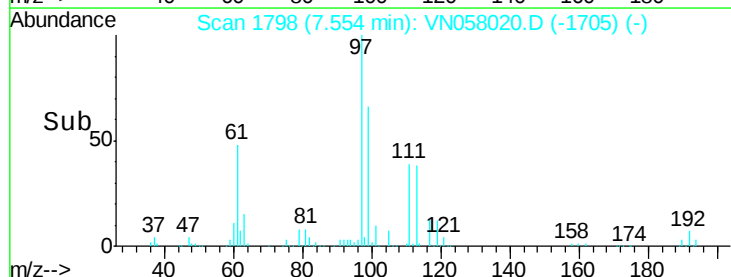
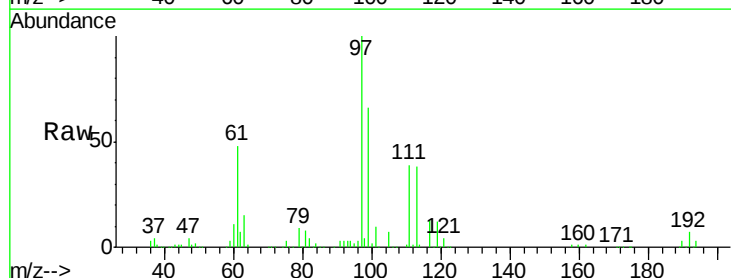
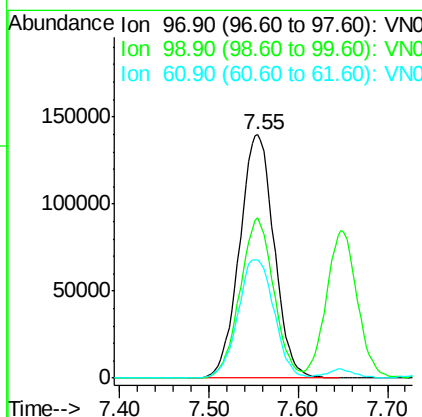
RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Tgt Ion:	97	Resp:	375291
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.4
61	50.9	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 51.051 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 349680

Ion Ratio Lower Upper

65 100

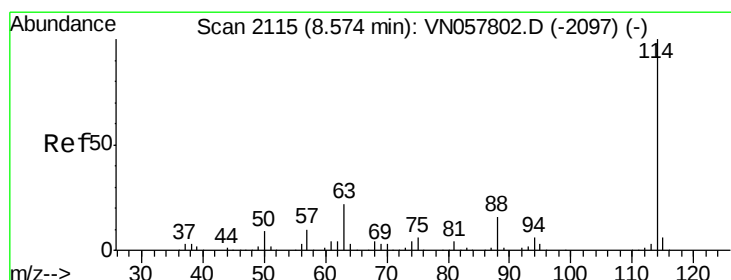
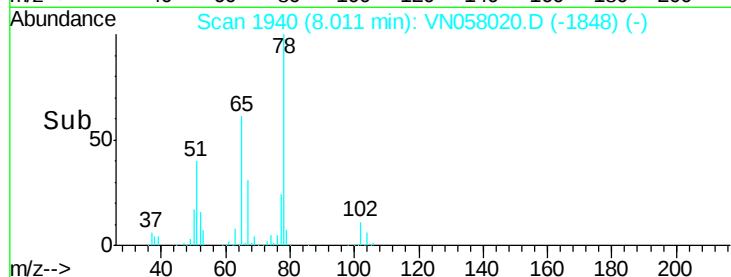
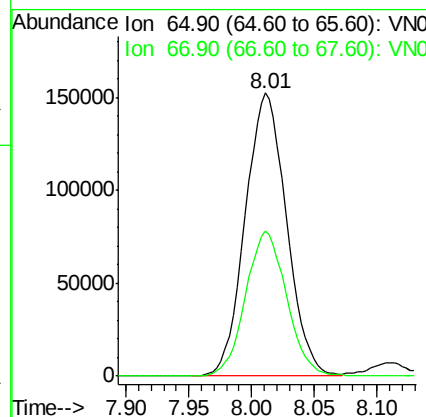
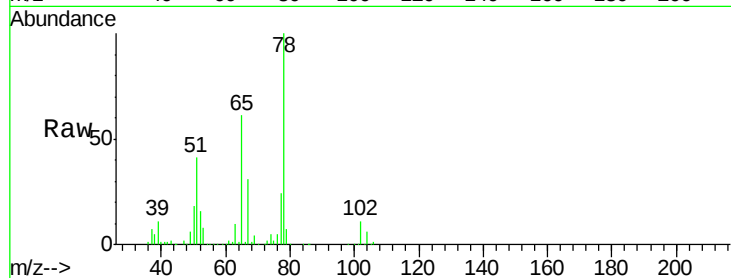
67 51.0 0.0 104.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

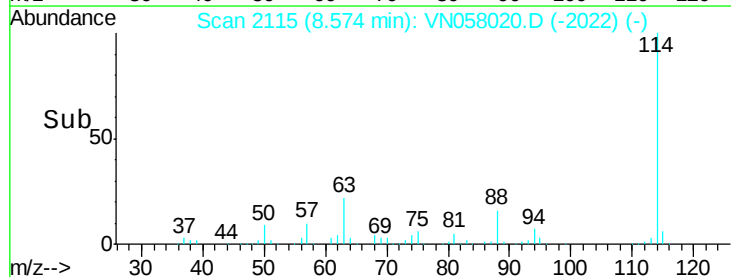
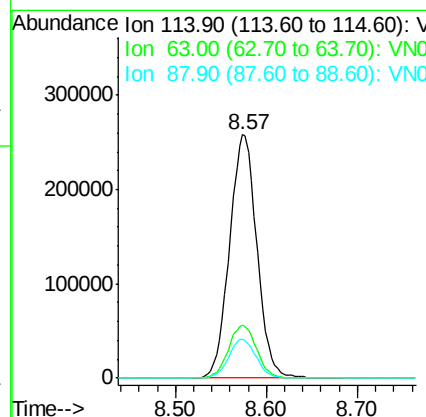
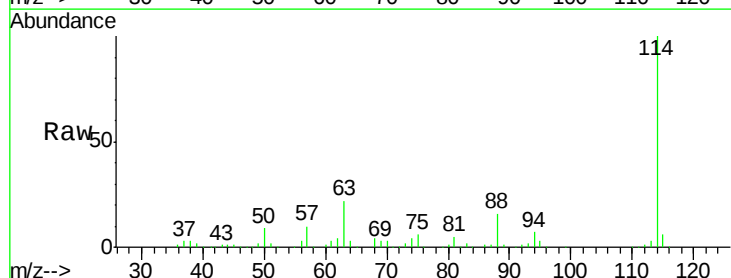
Tgt Ion: 114 Resp: 538780

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

88 15.8 0.0 31.4





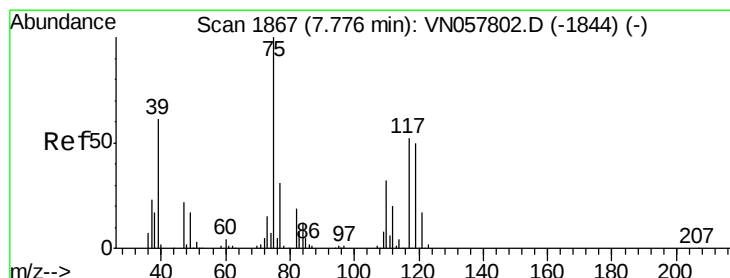
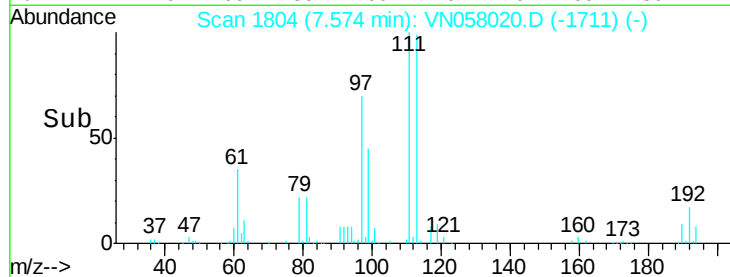
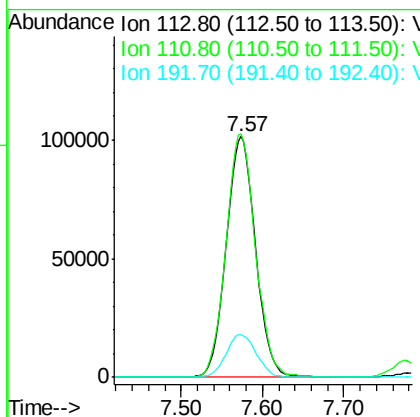
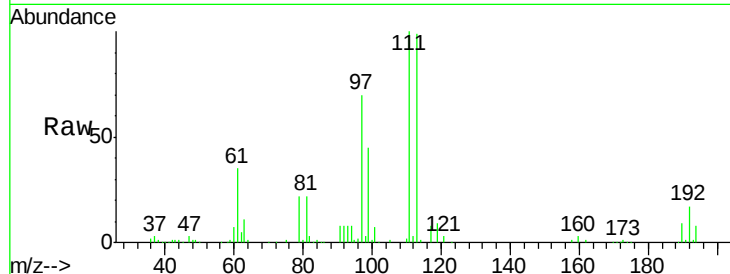
#35
 Dibromofluoromethane
 Concen: 51.482 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	256004		
111	102.0	81.3	121.9	
192	18.6	14.6	22.0	

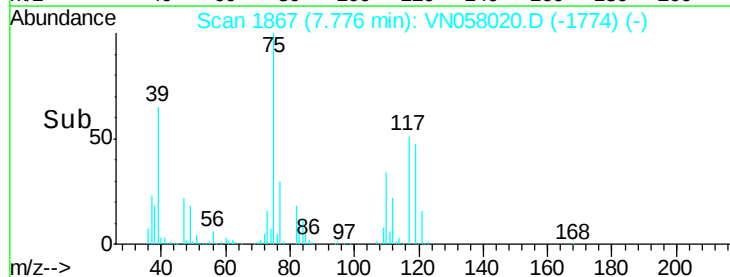
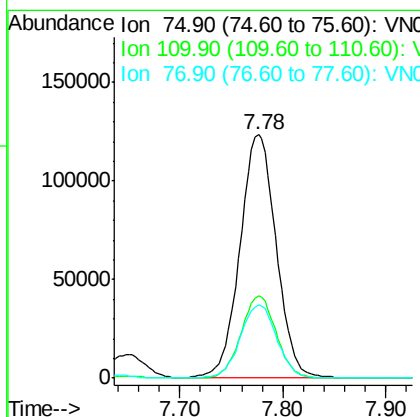
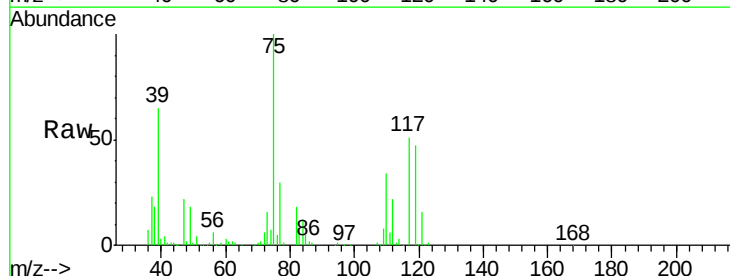
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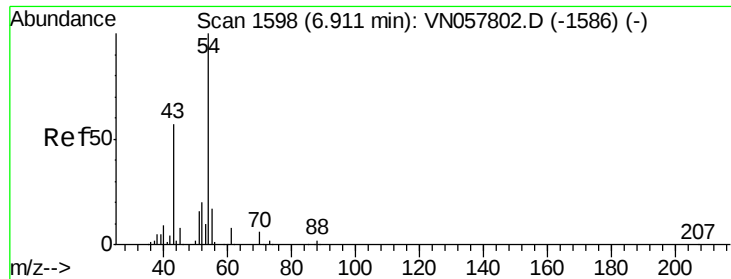
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.780 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	298550		
110	33.1	16.3	48.9	
77	30.9	25.0	37.4	





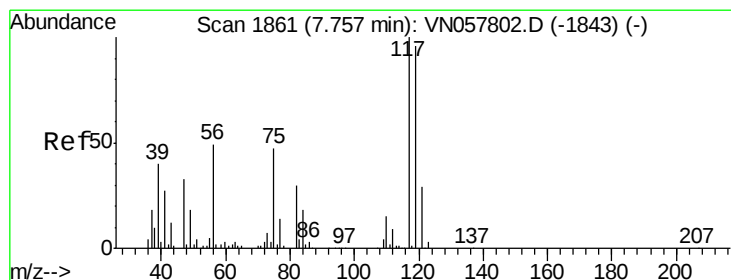
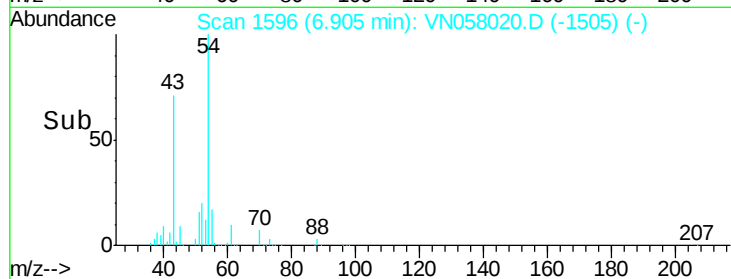
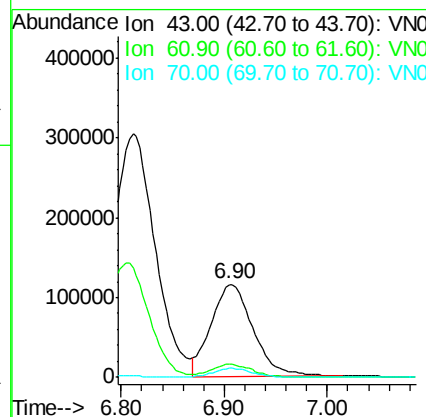
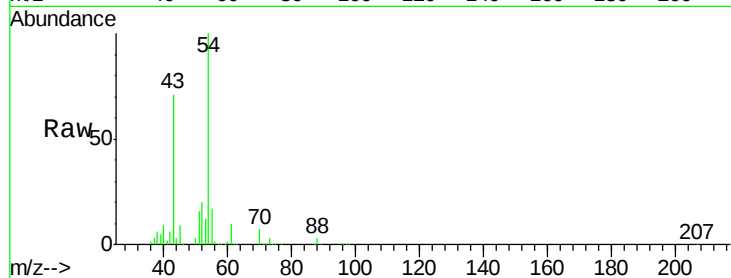
#37
Ethyl Acetate
Concen: 50.789 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.3	7.4	11.0

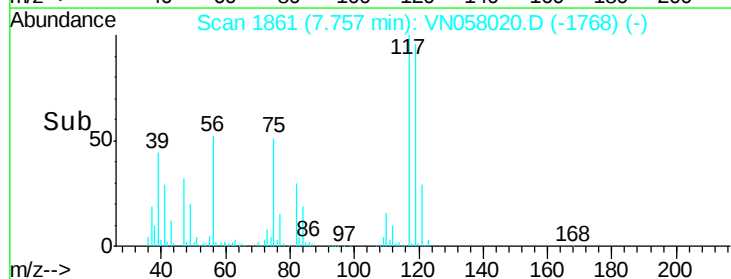
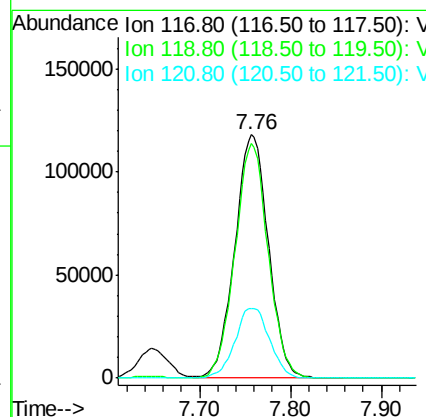
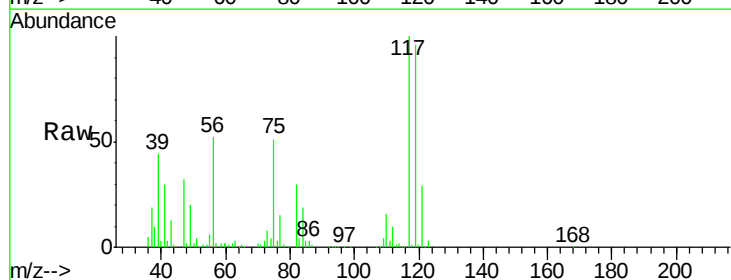
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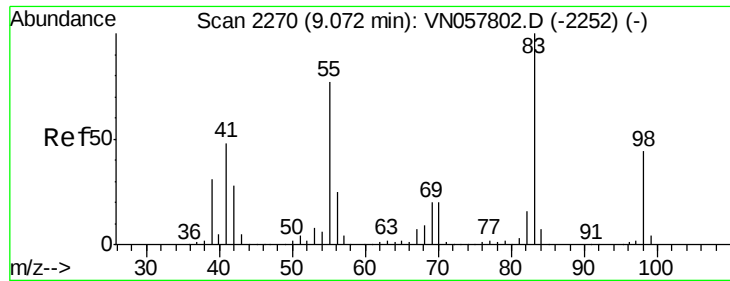
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#38
Carbon Tetrachloride
Concen: 53.060 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.9	115.3
121	28.7	23.4	35.2





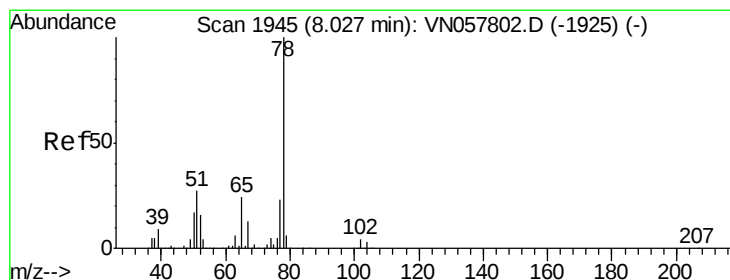
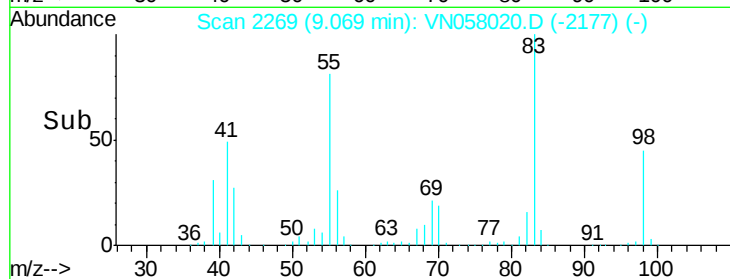
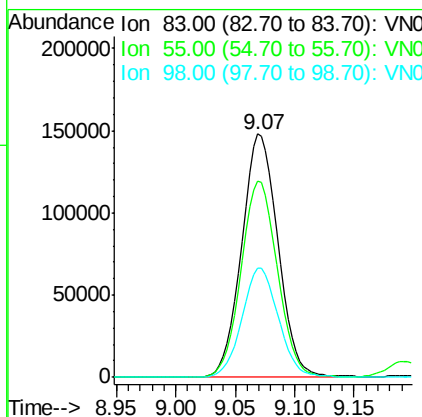
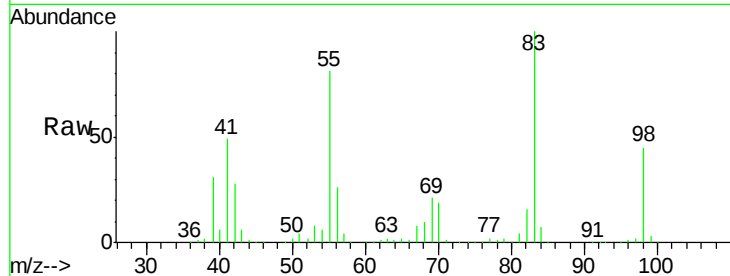
#39
Methvlcvclohexane
Concen: 47.692 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	61.6	92.4
98	44.7	34.9	52.3

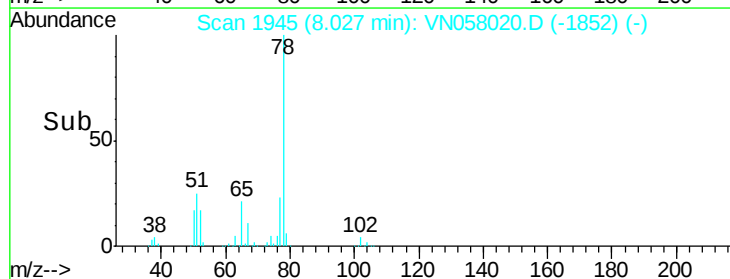
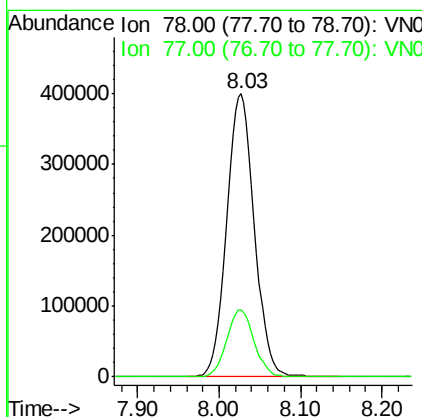
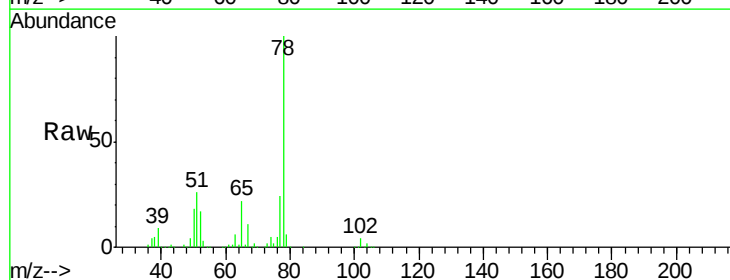
Manual Integrations
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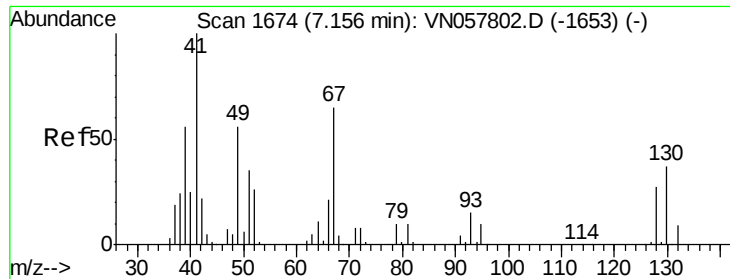
MMDadoda
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#40
Benzene
Concen: 50.558 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5





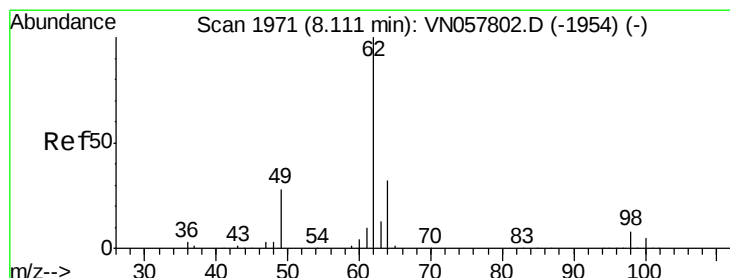
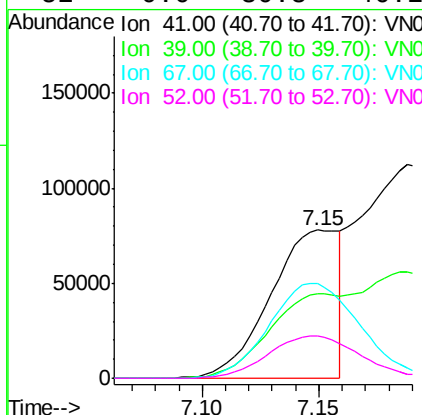
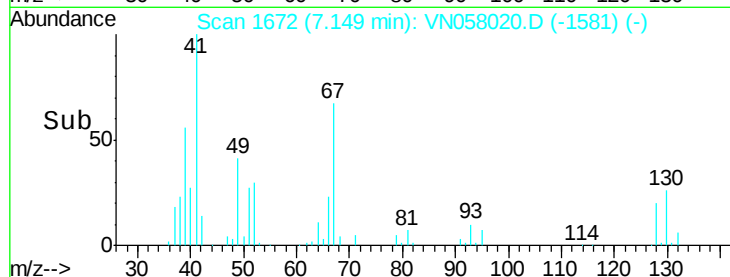
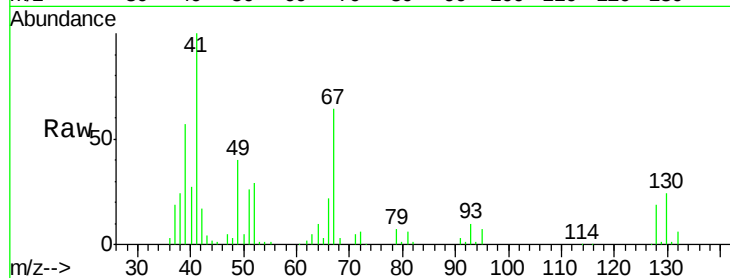
#41
Methacrylonitrile
Concen: 54.423 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

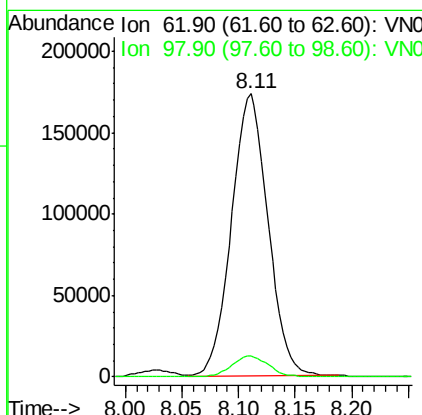
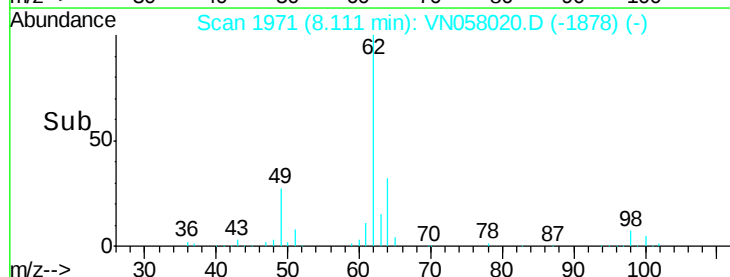
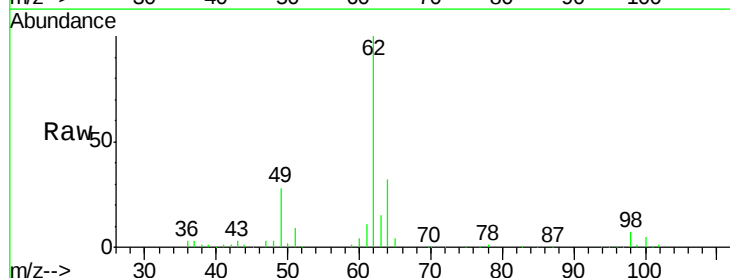
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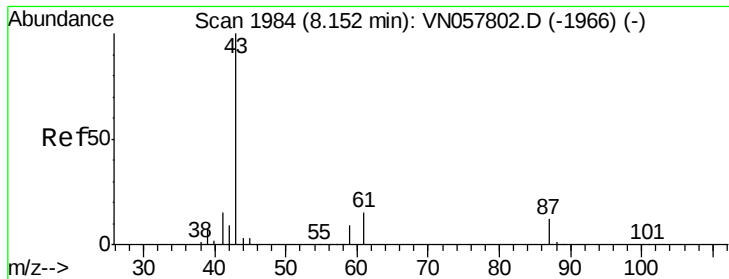
MMDadoda
9/16/2019 2:53:26 PM



#42
1,2-Dichloroethane
Concen: 51.897 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.8





#43

Isopropyl Acetate

Concen: 55.202 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

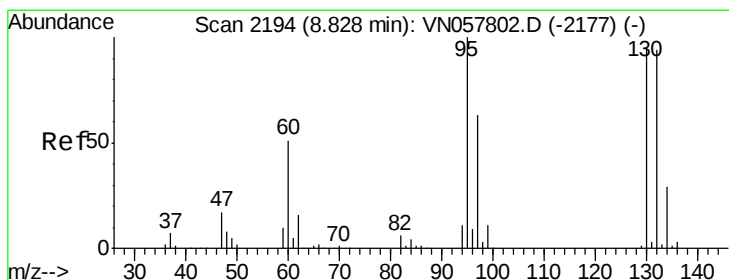
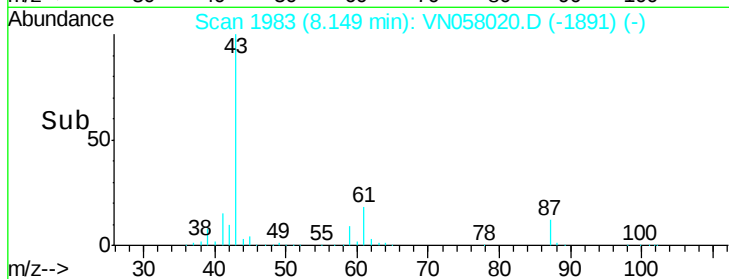
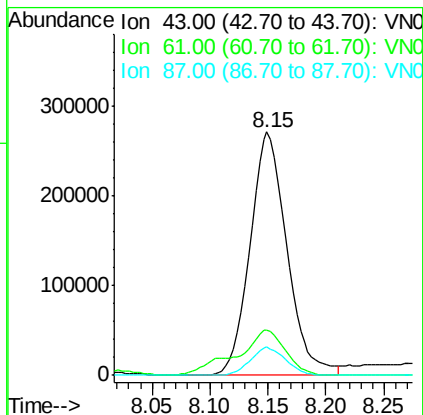
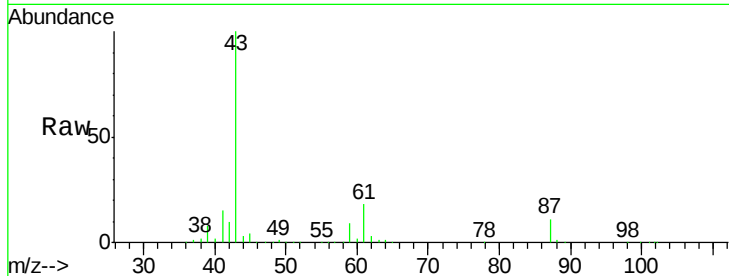
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	599306
Ion	Ratio	Lower	Upper
43	100		
61	17.7	20.1	30.1#
87	11.3	9.5	14.3

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#44

Trichloroethene

Concen: 50.279 ug/l

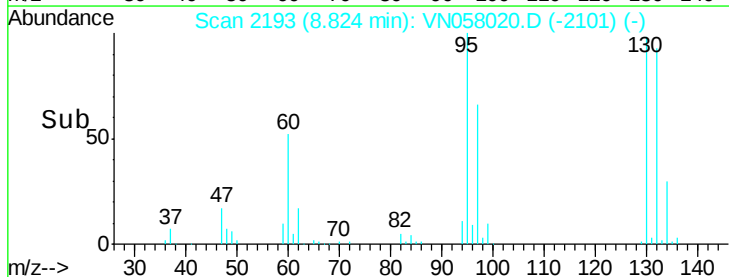
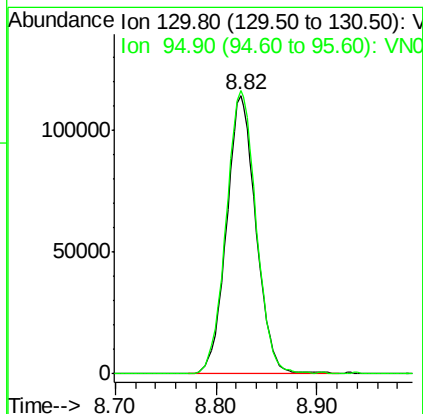
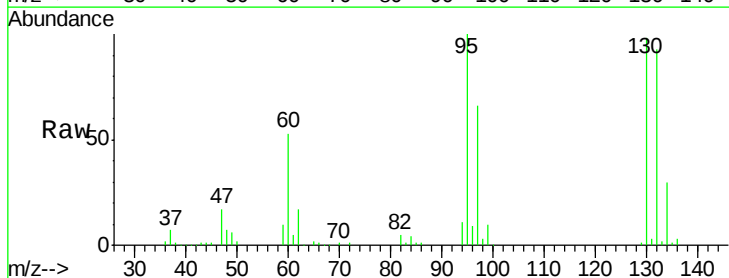
RT: 8.82 min Scan# 2193

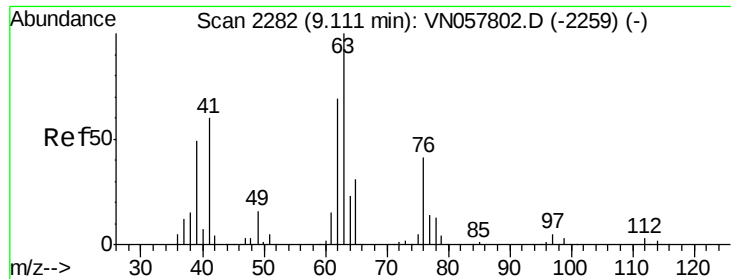
Delta R.T. -0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Tgt Ion:	130	Resp:	231988
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	211.4





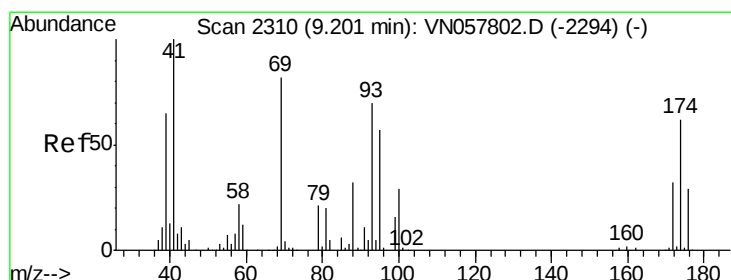
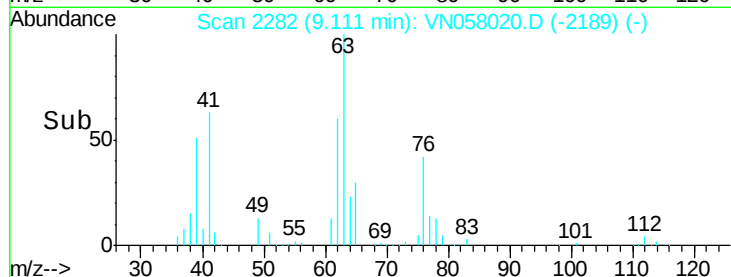
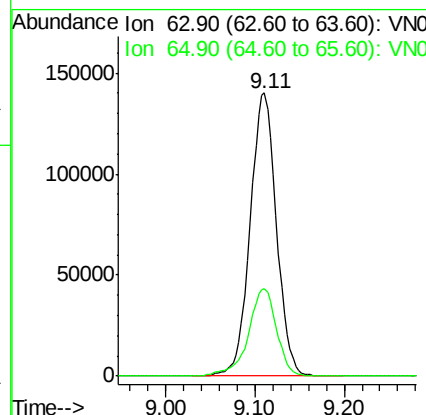
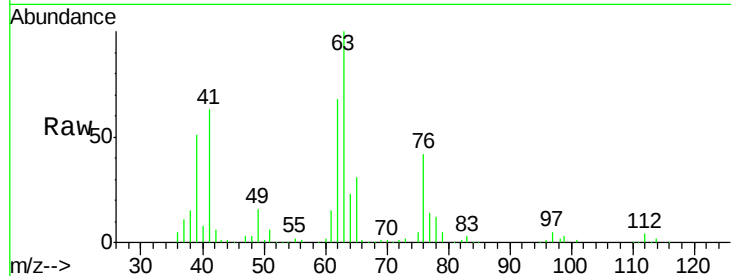
#45
 1,2-Dichloropropane
 Concen: 52.636 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 288128
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2

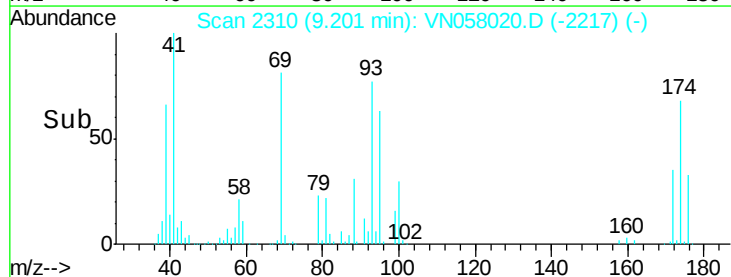
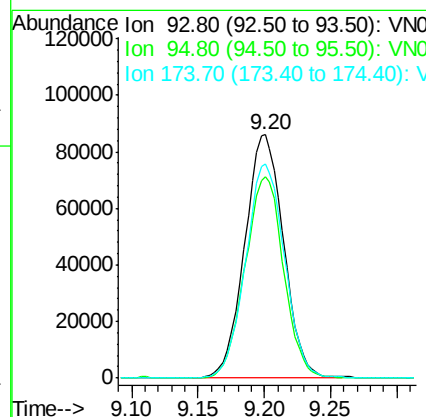
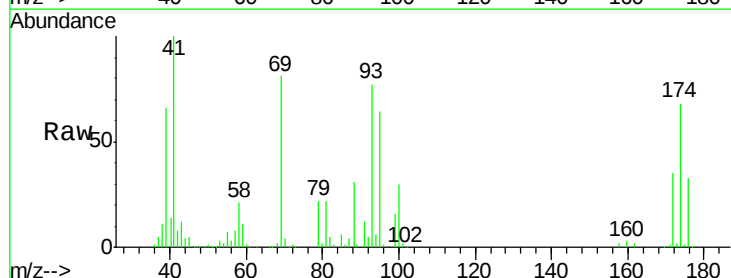
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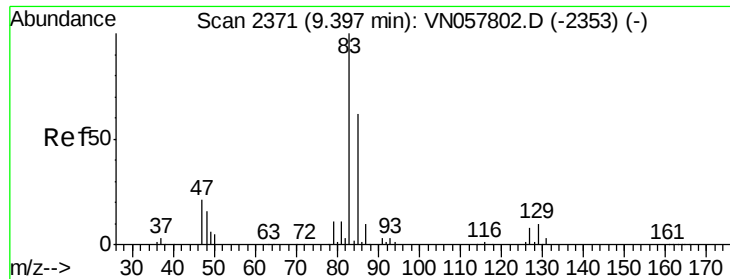
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 9/16/2019 2:53:26 PM



#46
 Dibromomethane
 Concen: 53.005 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Tgt Ion: 93 Resp: 175332
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.9 98.9
 174 88.4 71.8 107.6





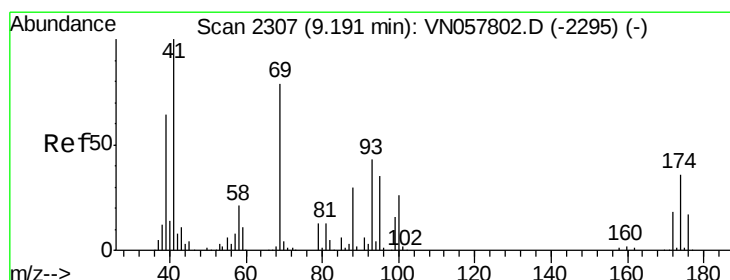
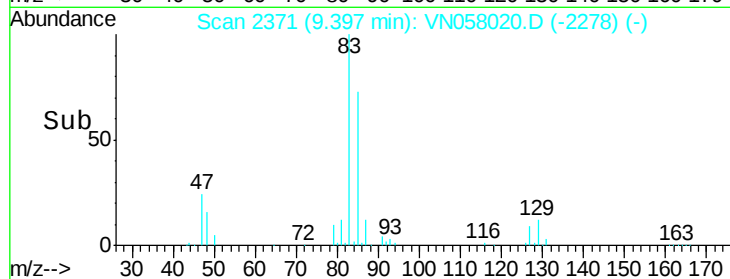
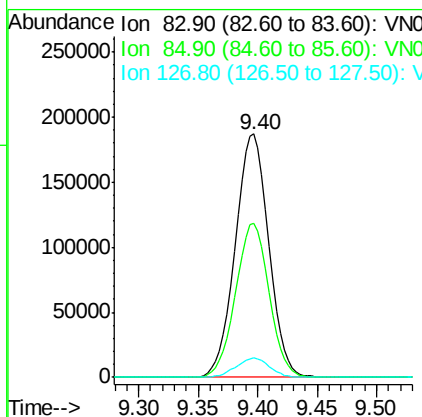
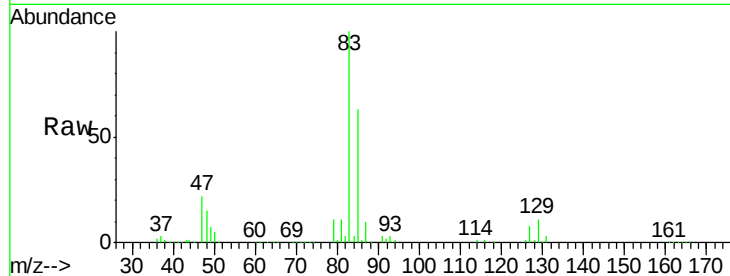
#47
Bromodichloromethane
Concen: 55.255 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	364980
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	49.9	74.9
127	7.9	6.5	9.7

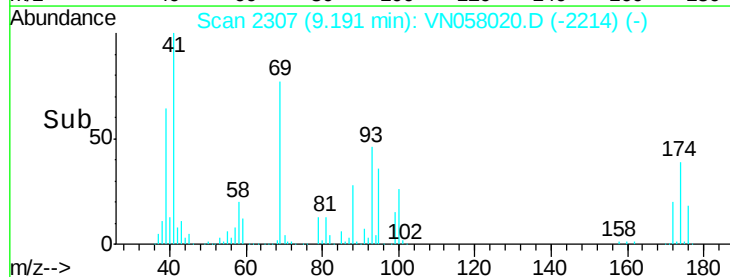
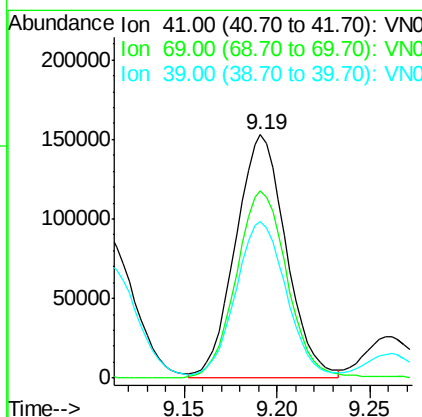
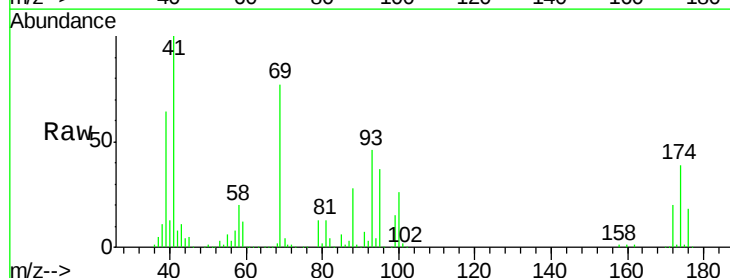
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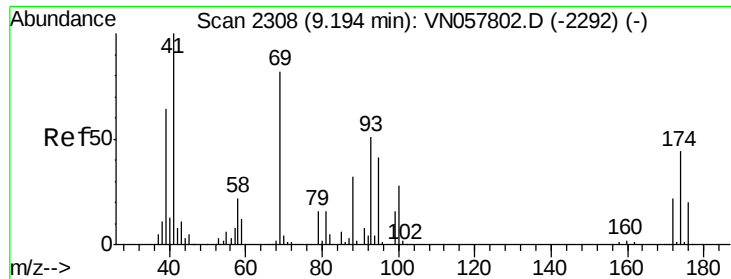
MMDadoda
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#48
Methyl methacrylate
Concen: 52.293 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion	41	Resp	287987
Ion Ratio	100	Lower	Upper
41	100		
69	78.8	62.7	94.1
39	65.2	52.7	79.1





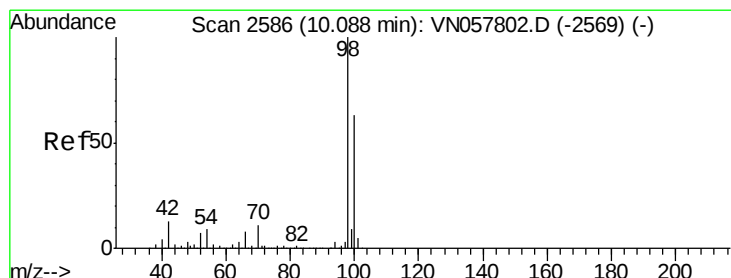
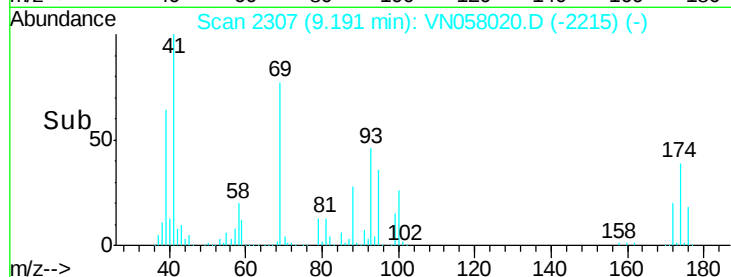
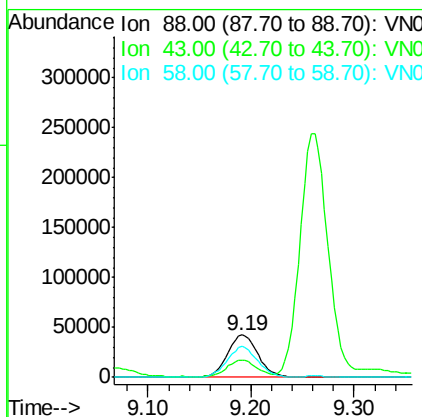
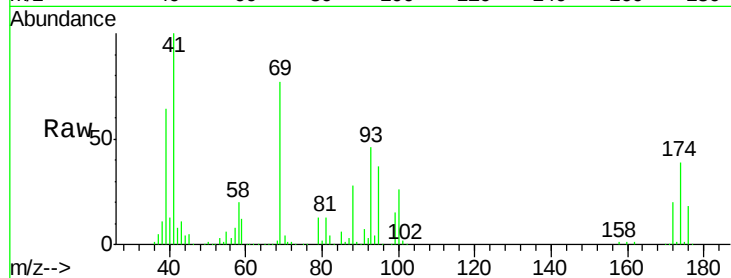
#49
1,4-Dioxane
Concen: 943.063 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	87828
Ion	Ratio	Lower	Upper
88	100		
43	38.1	28.5	42.7
58	72.1	55.8	83.6

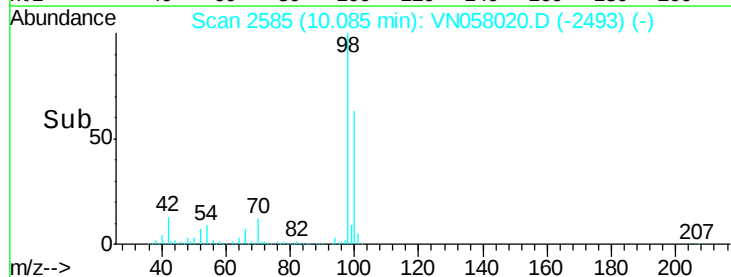
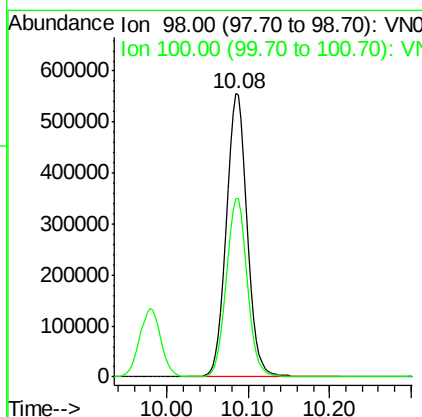
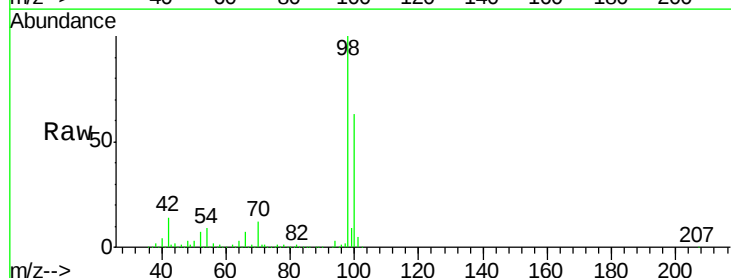
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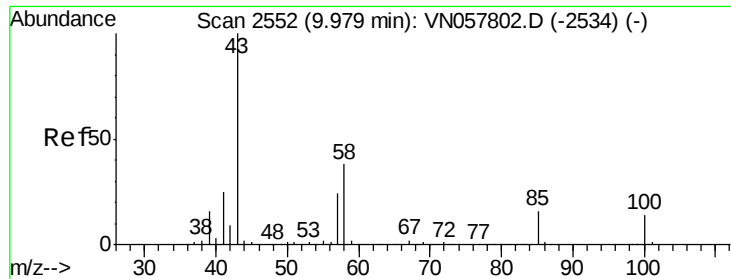
MMDadoda
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#50
Toluene-d8
Concen: 52.226 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion	98	Resp	1008320
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 278.503 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1789258

Ion Ratio Lower Upper

43 100

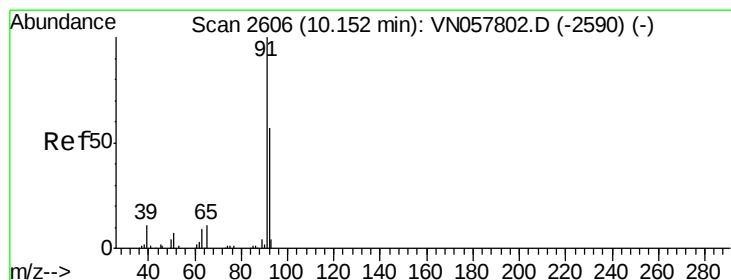
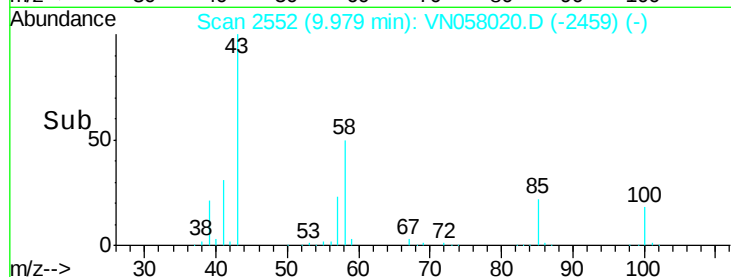
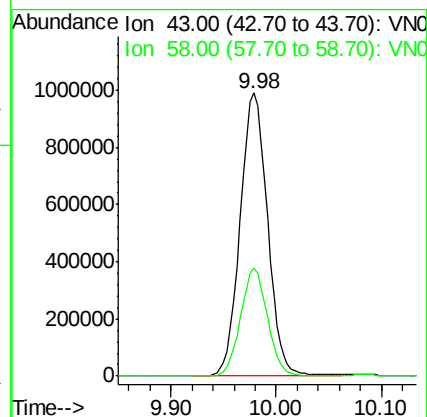
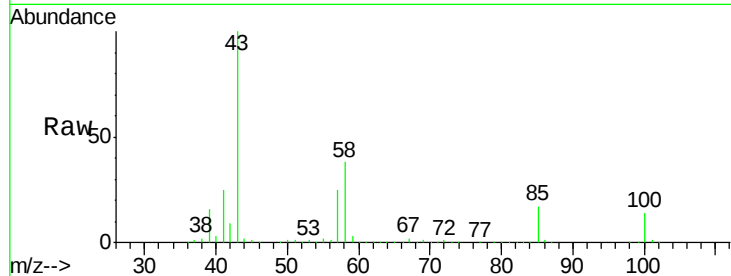
58 37.3 29.8 44.6

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#52

Toluene

Concen: 51.414 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058020.D

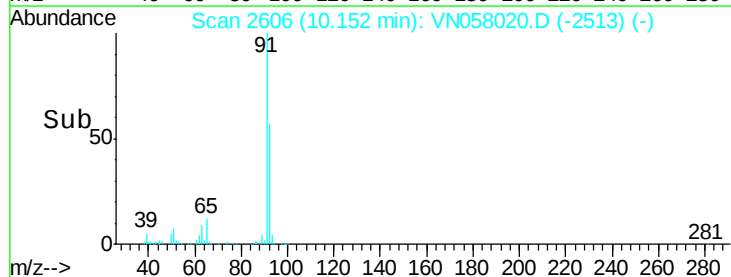
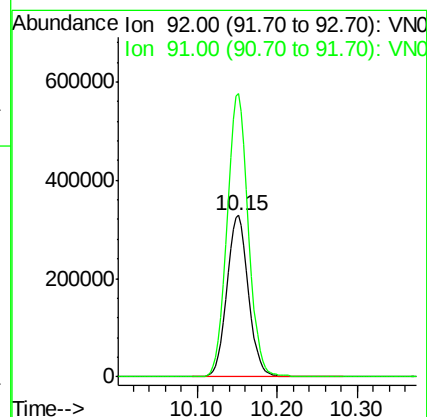
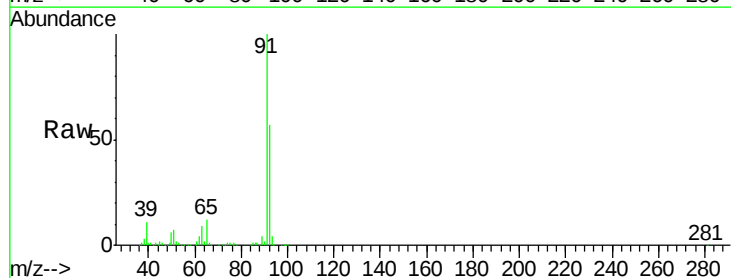
Acq: 13 Sep 2019 16:24

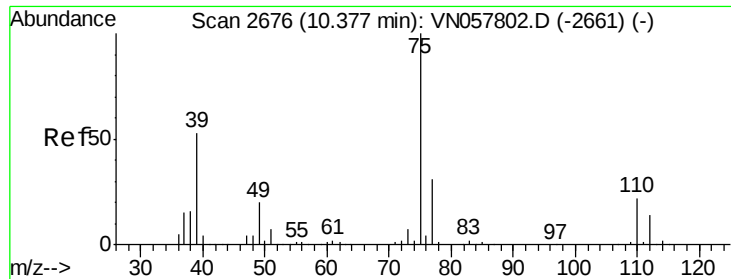
Tgt Ion: 92 Resp: 609177

Ion Ratio Lower Upper

92 100

91 173.7 141.0 211.6





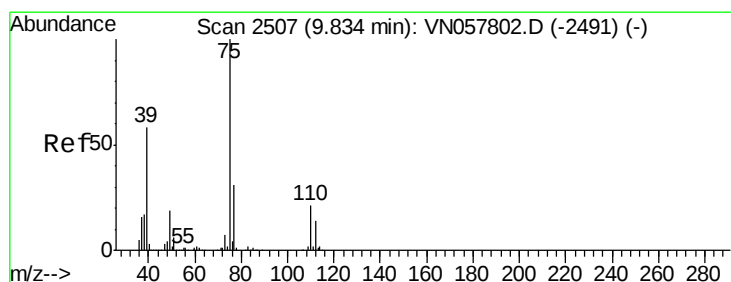
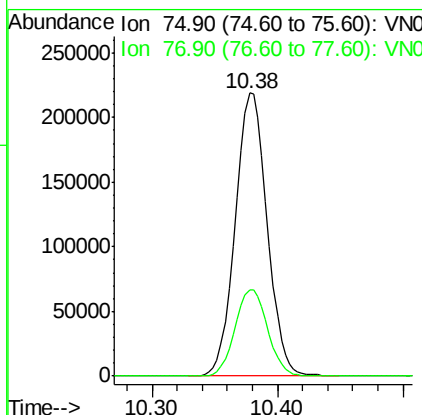
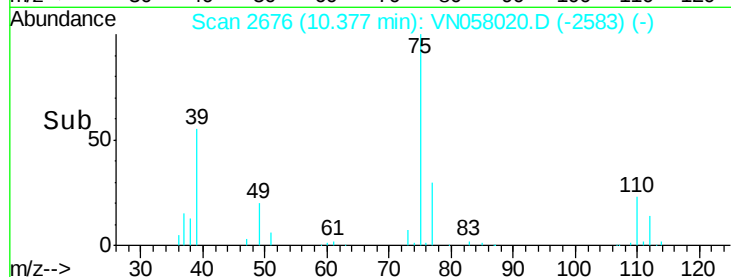
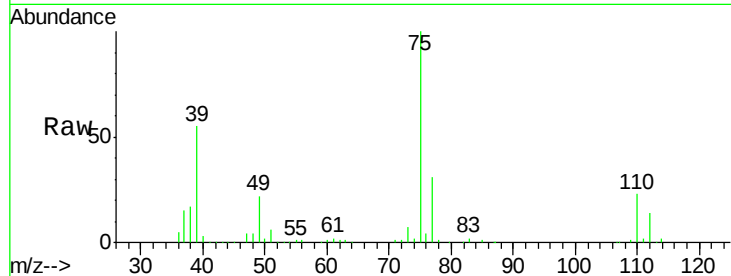
#53
t-1,3-Dichloropropene
Concen: 55.576 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 386575
Ion Ratio Lower Upper
75 100
77 30.6 24.5 36.7

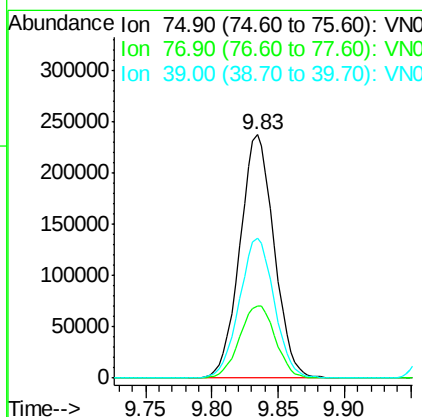
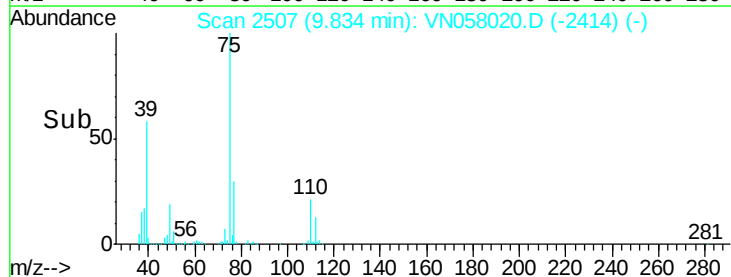
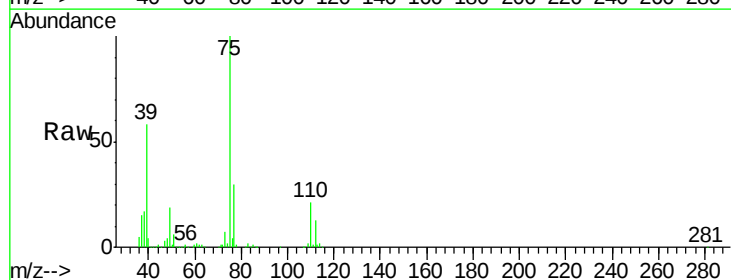
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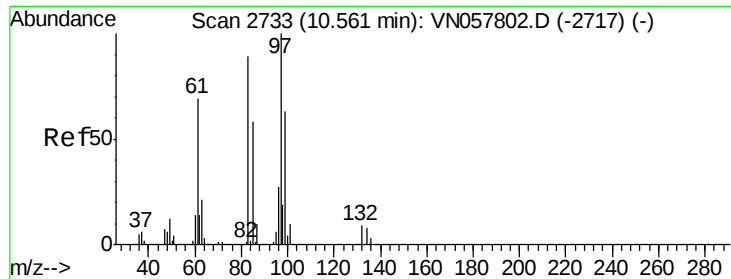
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.346 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion: 75 Resp: 425042
Ion Ratio Lower Upper
75 100
77 29.8 24.8 37.2
39 57.7 46.2 69.4





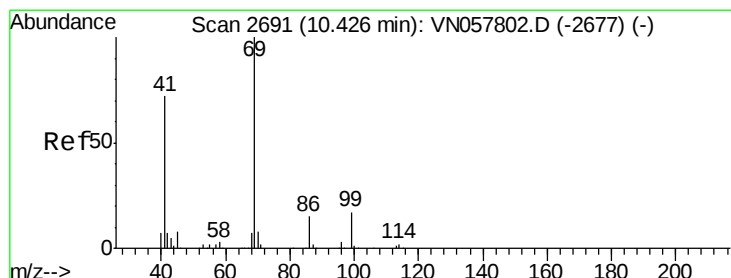
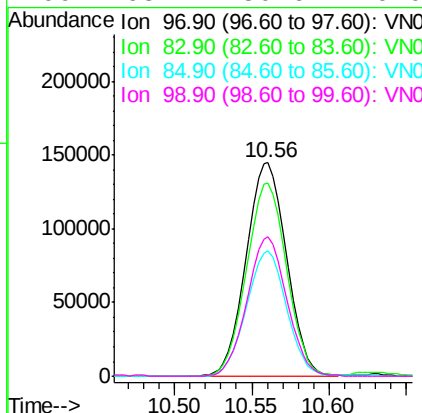
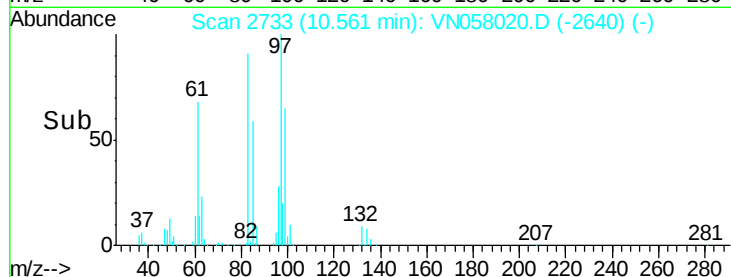
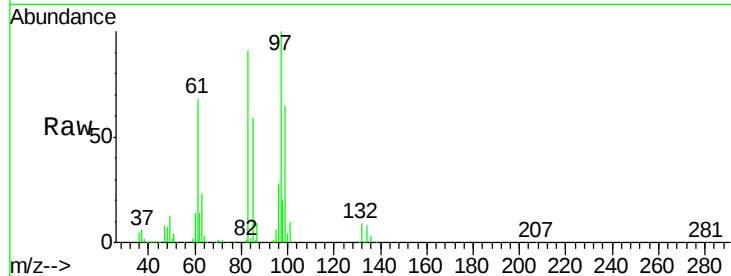
#55
 1,1,2-Trichloroethane
 Concen: 52.682 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	264402
Ion	Ratio	Lower	Upper
97	100		
83	90.6	70.8	106.2
85	58.6	46.0	69.0
99	65.4	50.6	76.0

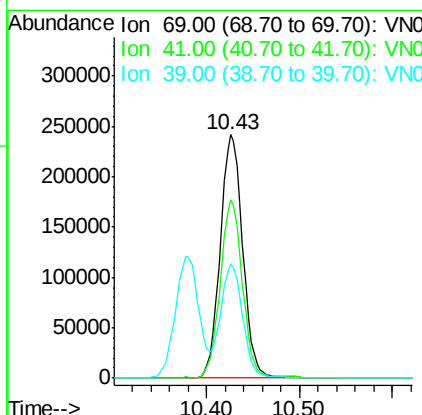
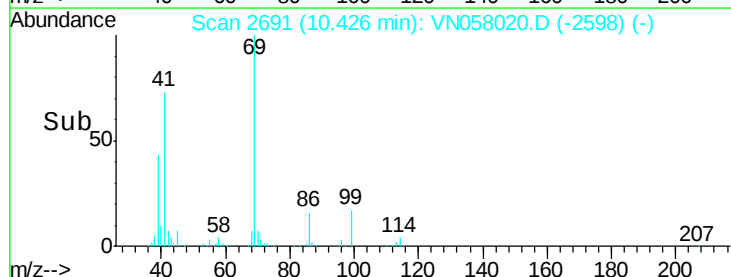
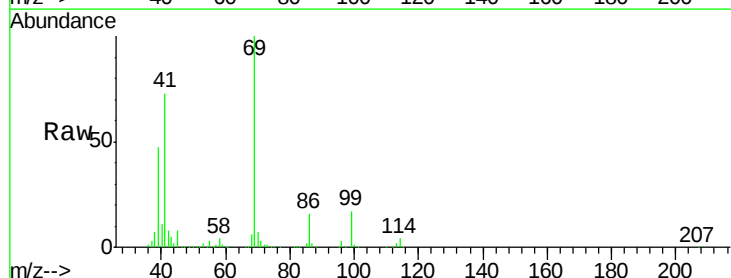
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#56
 Ethyl methacrylate
 Concen: 53.813 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Tgt Ion:	69	Resp:	406709
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.7	85.1
39	45.8	36.3	54.5





#57

1,3-Dichloropropane

Concen: 53.130 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 459538

Ion Ratio Lower Upper

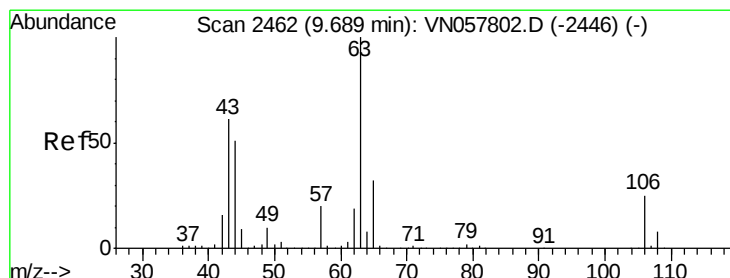
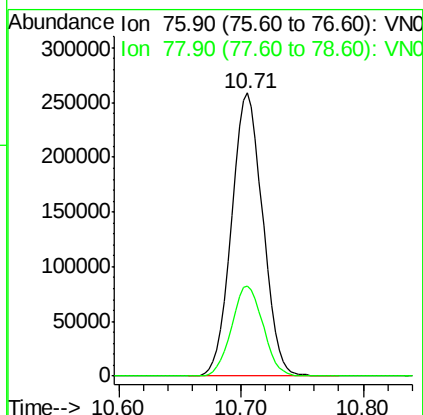
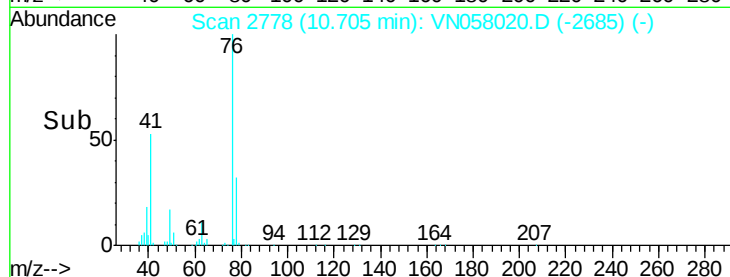
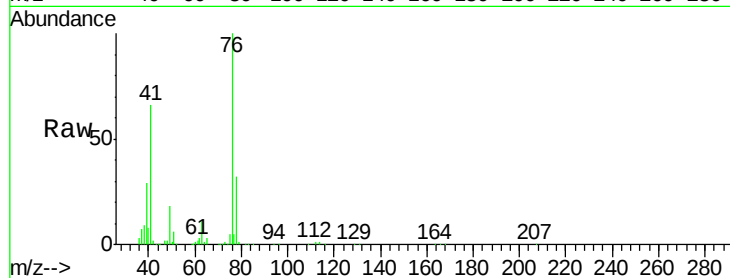
76 100

78 32.2 25.4 38.2

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#58

2-Chloroethyl Vinyl ether

Concen: 255.259 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058020.D

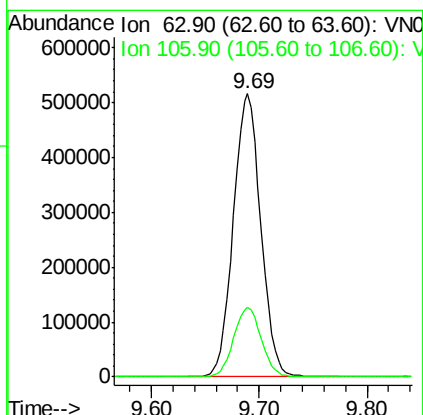
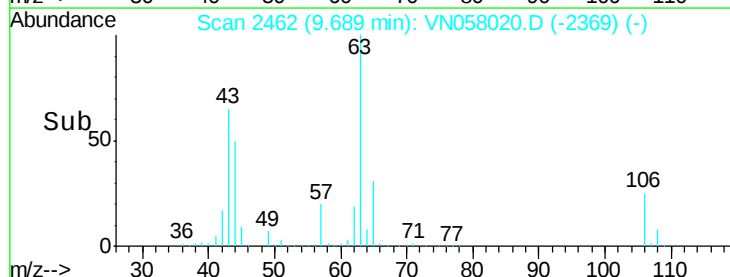
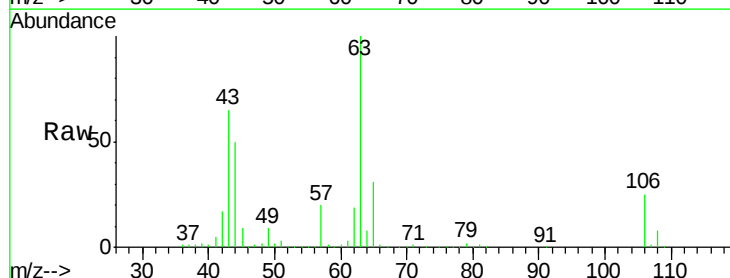
Acq: 13 Sep 2019 16:24

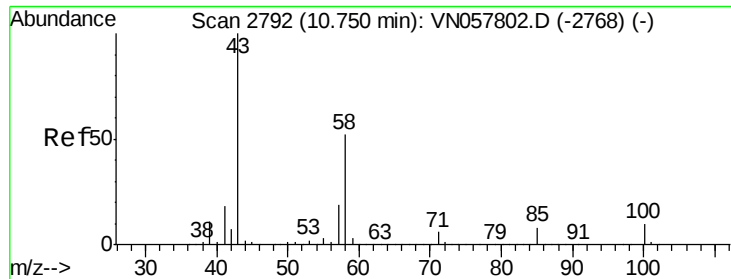
Tgt Ion: 63 Resp: 908645

Ion Ratio Lower Upper

63 100

106 24.8 20.0 30.0





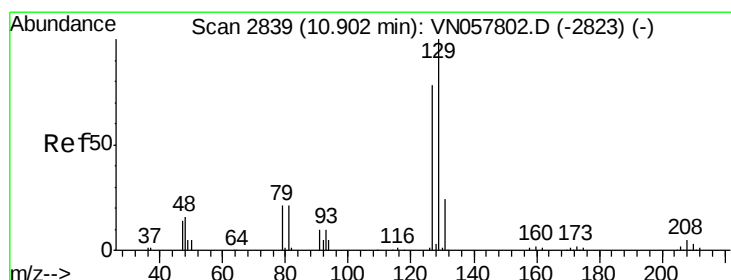
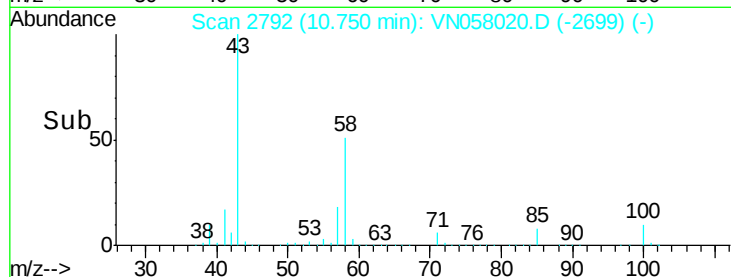
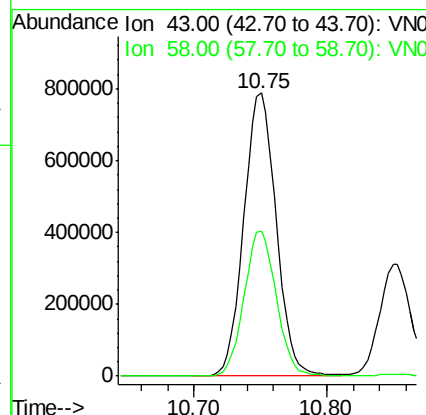
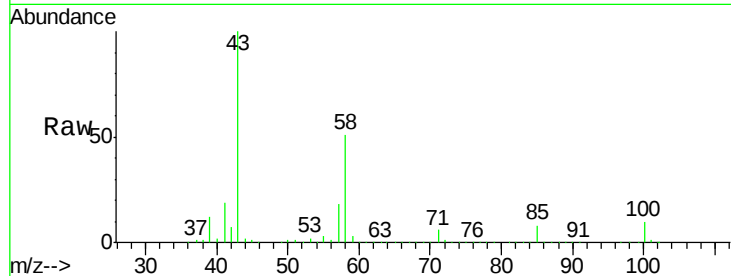
#59
2-Hexanone
Concen: 276.944 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1333613
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8

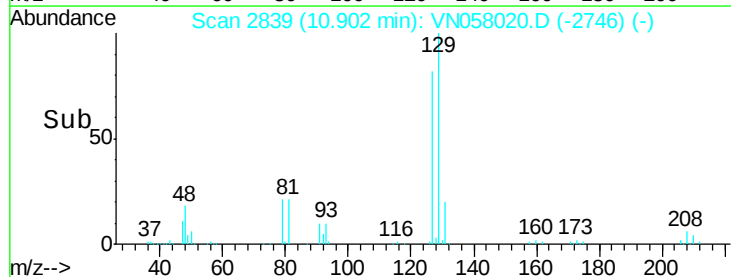
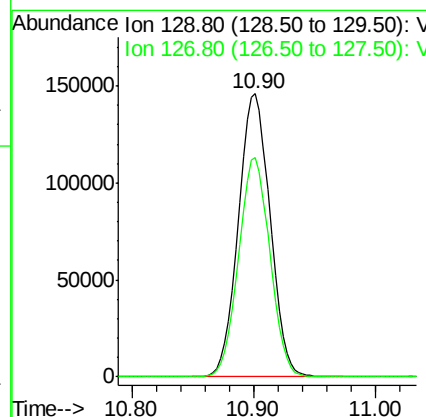
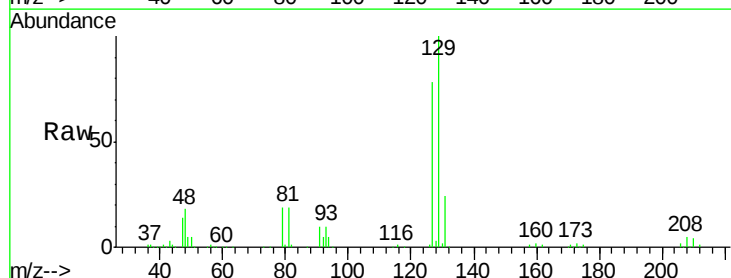
Manual Integrations
APPROVED

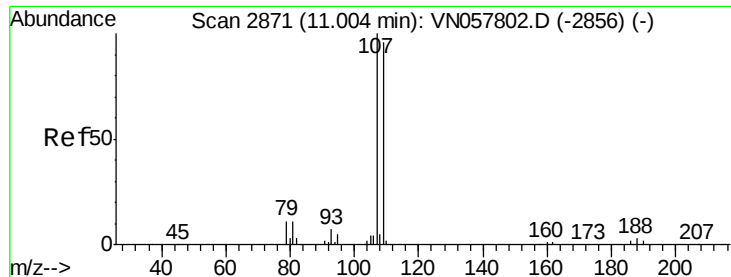
MMDadoda
9/16/2019 2:53:26 PM



#60
Dibromochloromethane
Concen: 56.402 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion: 129 Resp: 262862
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





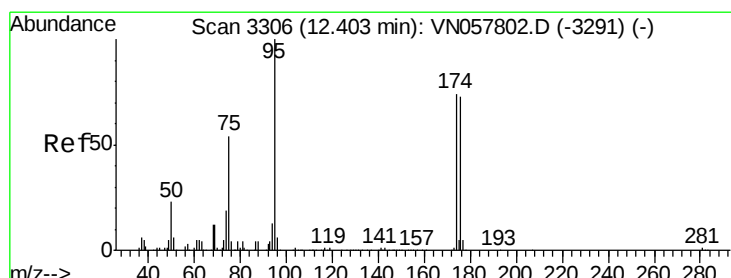
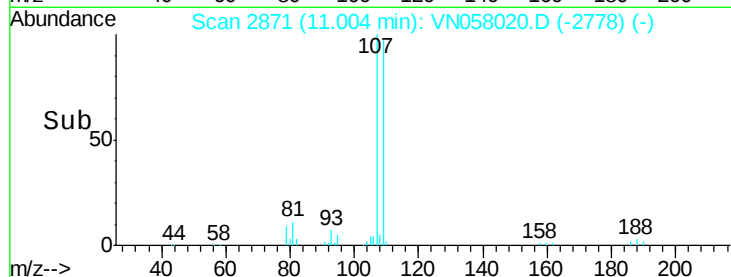
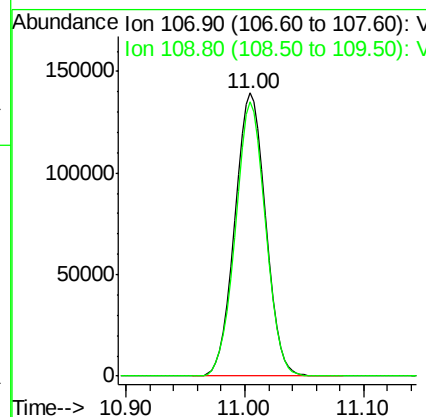
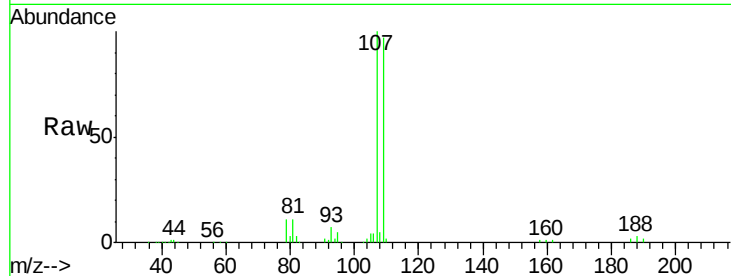
#61
 1,2-Dibromoethane
 Concen: 52.669 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.3	112.9

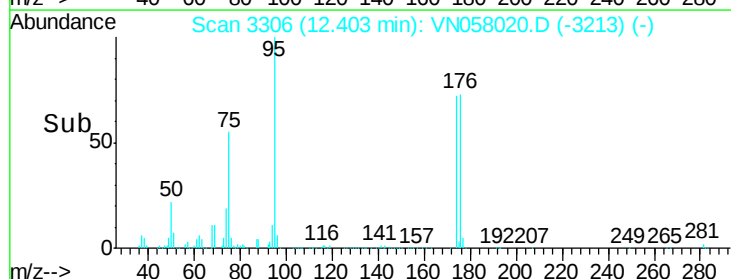
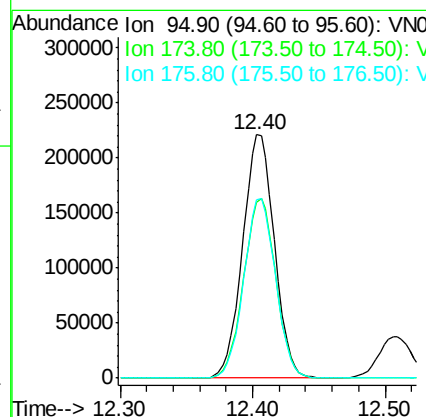
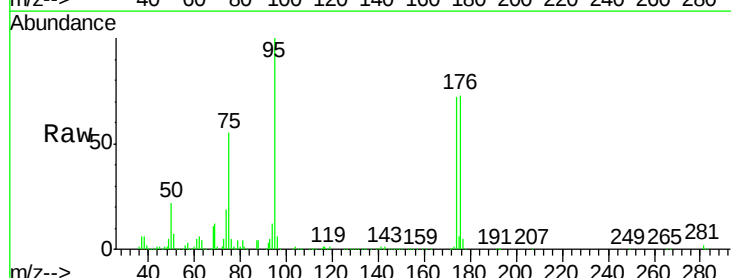
Manual Integrations
 APPROVED

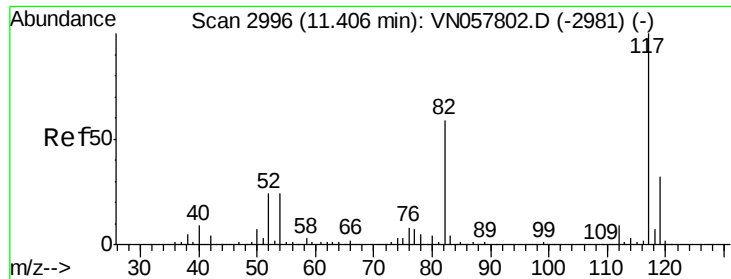
MMDadoda
 9/16/2019 2:53:26 PM



#62
 4-Bromofluorobenzene
 Concen: 50.002 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	150.2
176	73.9	0.0	146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

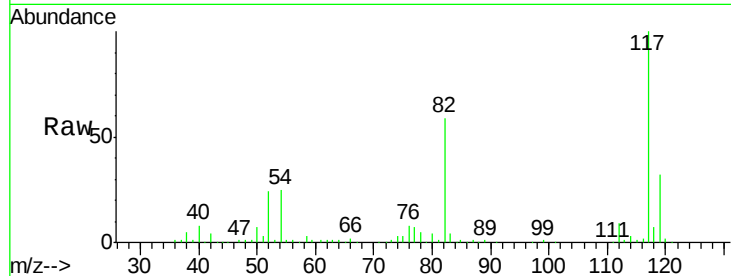
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	511015
Ion Ratio		Lower	Upper
117	100		
82	59.4	47.2	70.8
119	31.9	25.3	37.9

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:53:26 PM

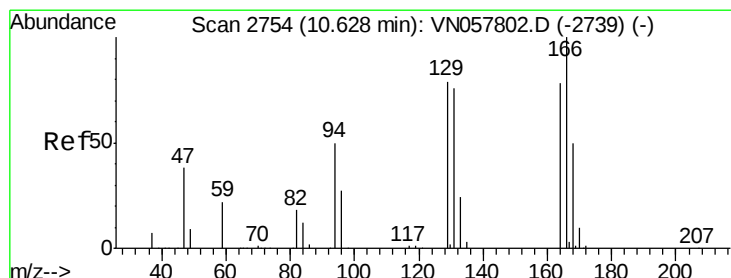
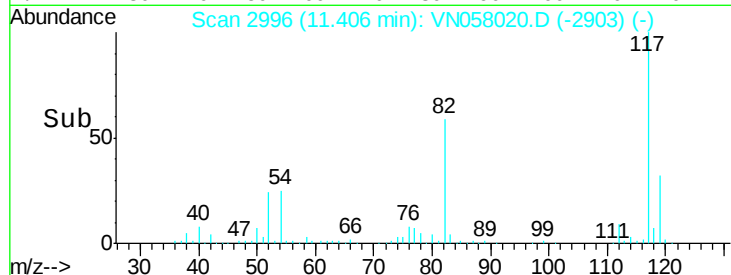
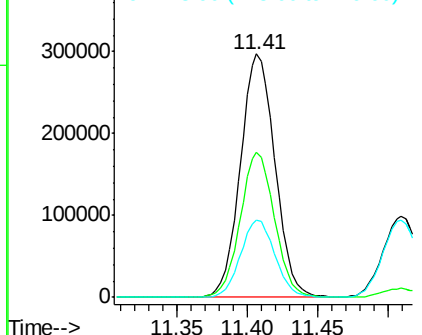


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.800 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Tgt Ion:	164	Resp:	187901
Ion Ratio		Lower	Upper
164	100		
166	124.2	102.2	153.2
129	96.8	80.8	121.2
131	94.1	77.4	116.2

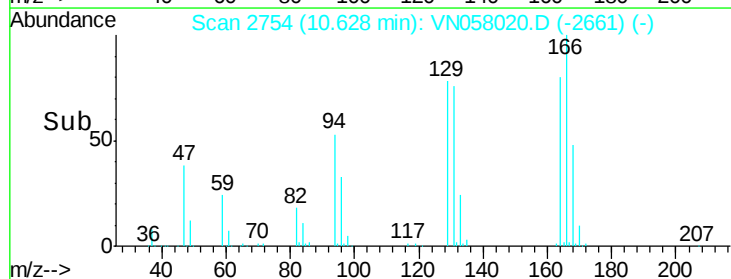
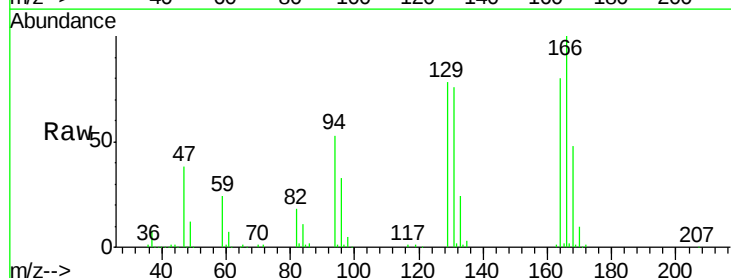
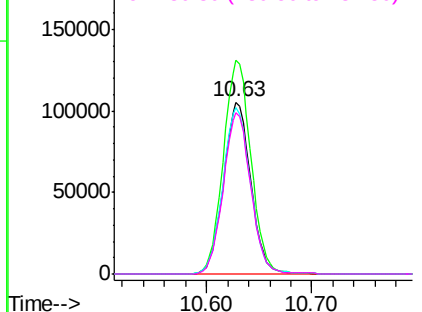
Abundance

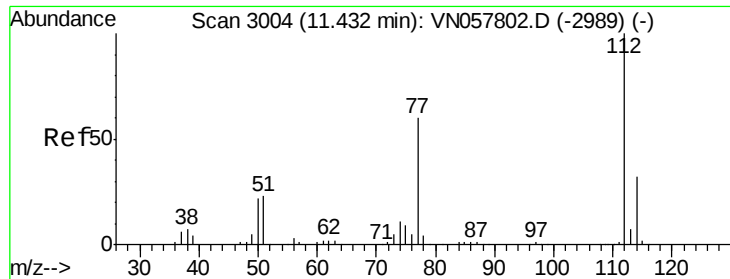
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.378 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 687105

Ion Ratio Lower Upper

112 100

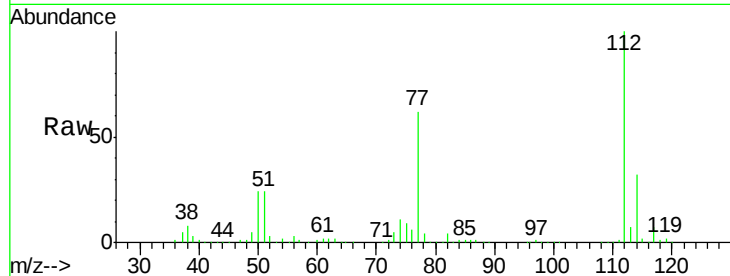
114 31.6 25.2 37.8

Manual Integrations

APPROVED

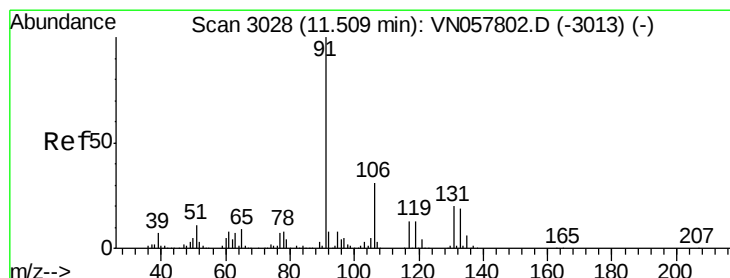
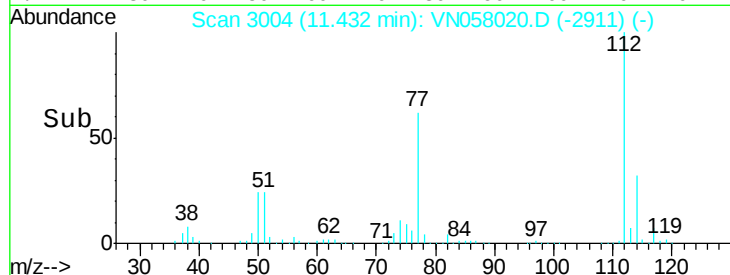
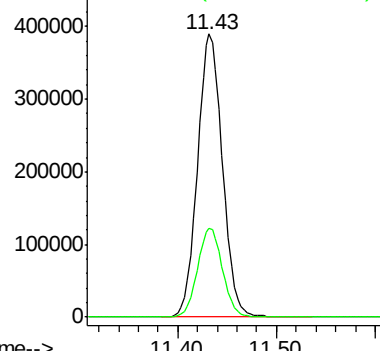
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.740 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

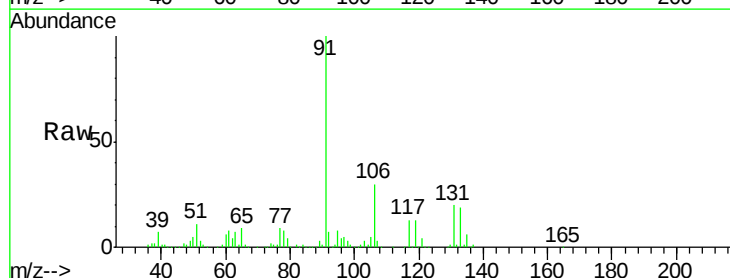
Tgt Ion:131 Resp: 254026

Ion Ratio Lower Upper

131 100

133 94.3 47.1 141.3

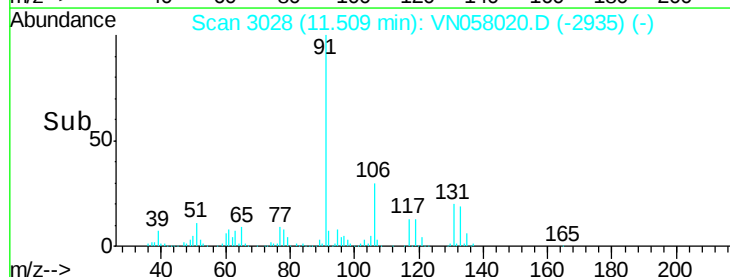
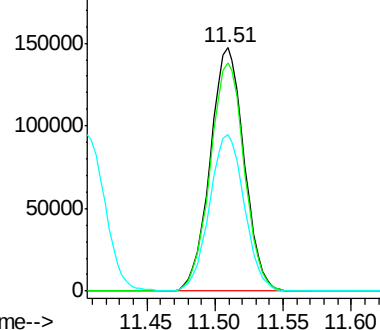
119 66.1 33.3 99.8

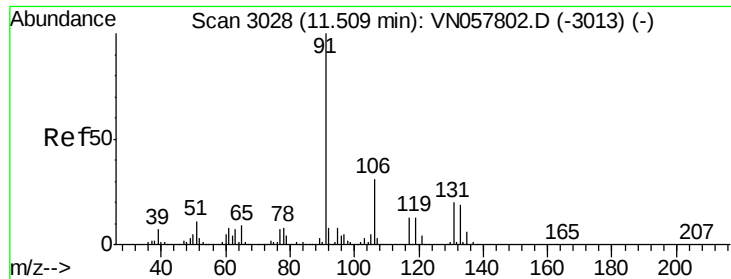


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





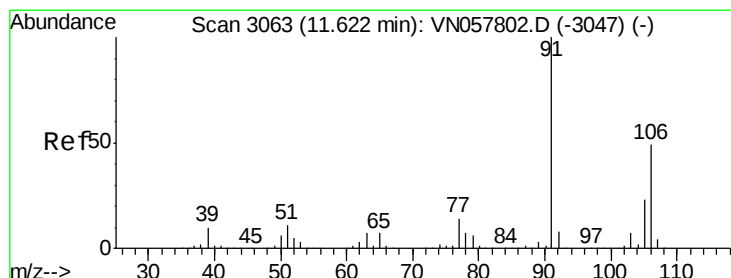
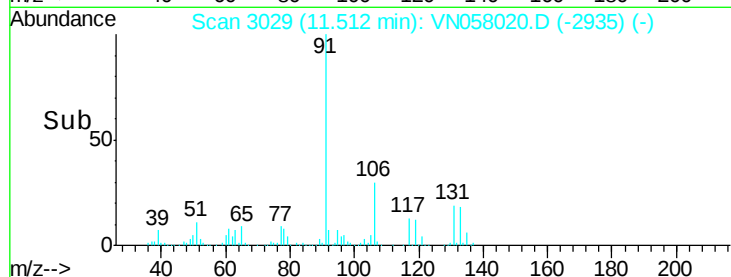
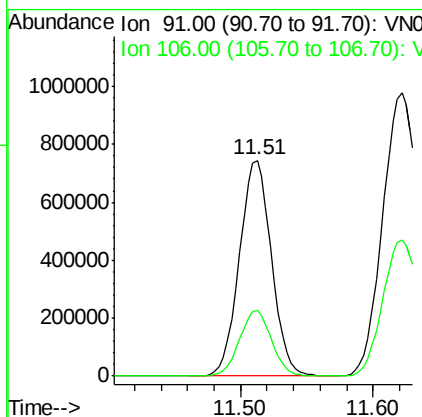
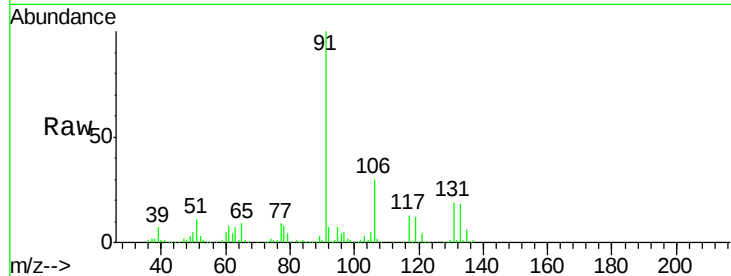
#67
Ethyl Benzene
Concen: 53.346 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1250306
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

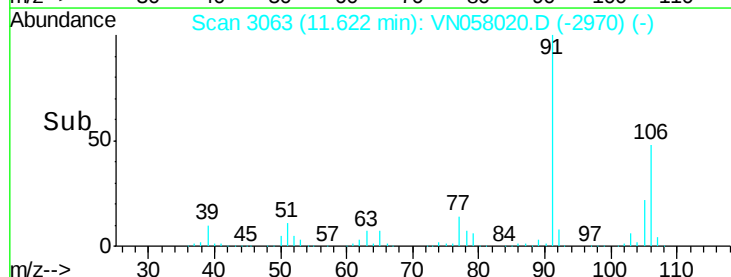
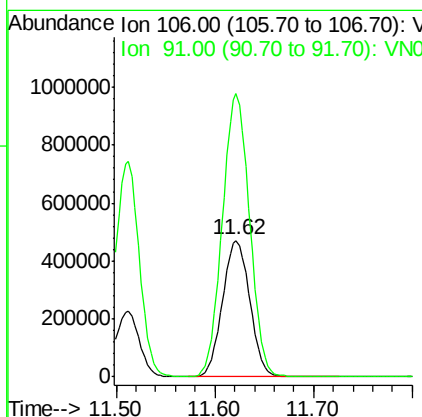
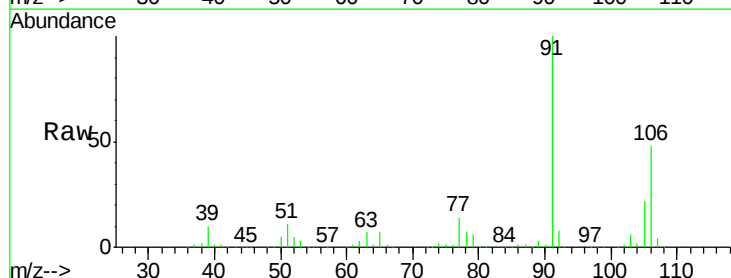
Manual Integrations
APPROVED

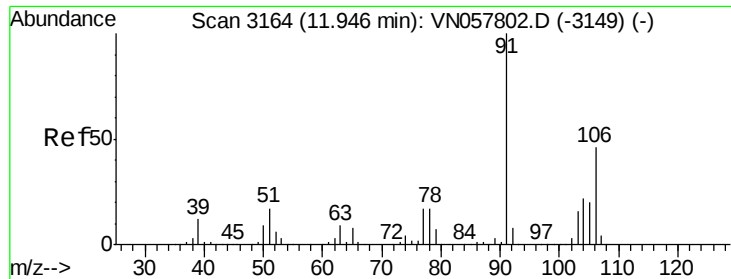
MMDadoda
9/16/2019 2:53:26 PM



#68
m/p-Xylenes
Concen: 106.690 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion: 106 Resp: 915965
Ion Ratio Lower Upper
106 100
91 206.6 165.8 248.6





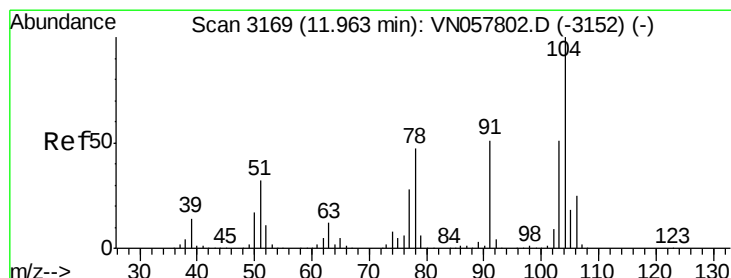
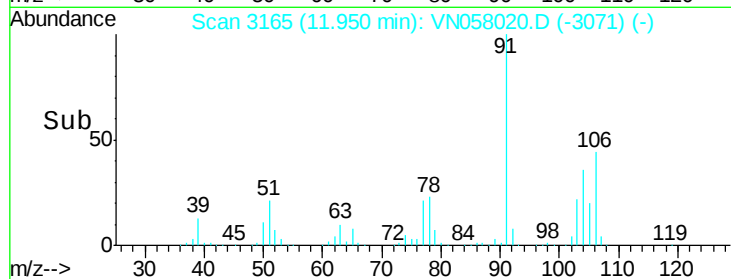
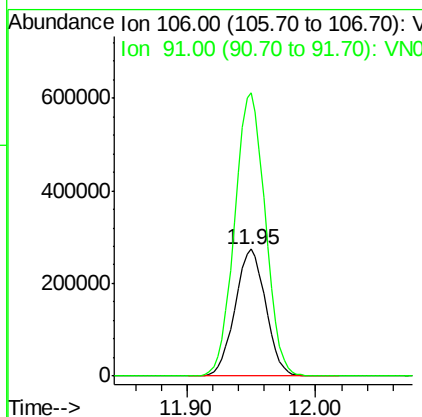
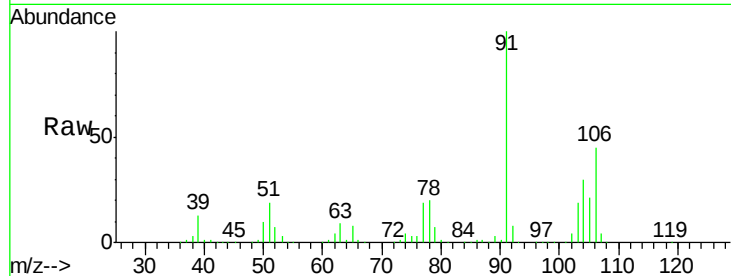
#69
o-Xylene
Concen: 52.963 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 452040
Ion Ratio Lower Upper
106 100
91 223.1 108.7 326.1

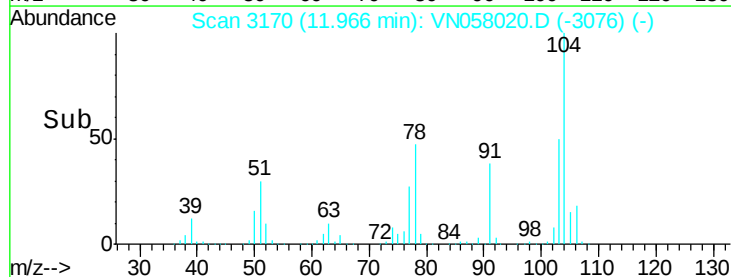
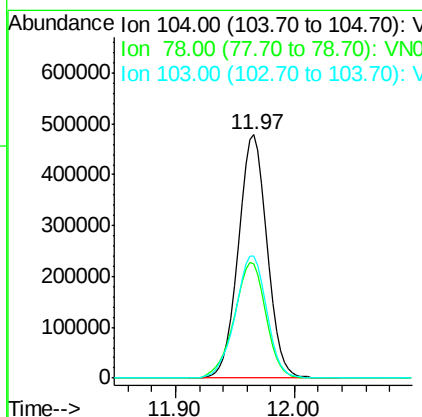
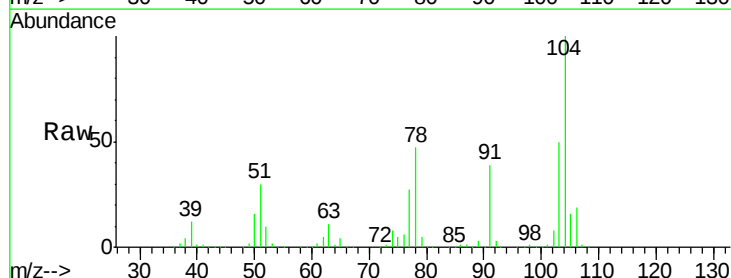
Manual Integrations
APPROVED

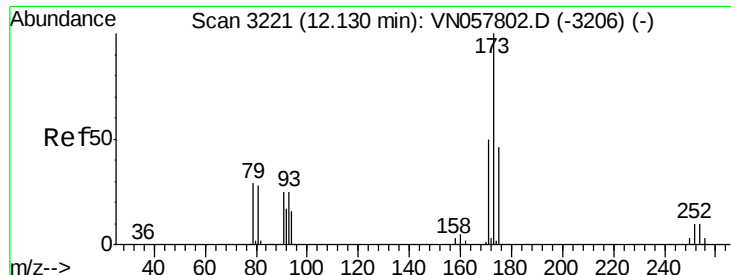
MMDadoda
9/16/2019 2:53:26 PM



#70
Styrene
Concen: 54.544 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion:104 Resp: 801180
Ion Ratio Lower Upper
104 100
78 52.4 41.3 61.9
103 55.0 43.7 65.5





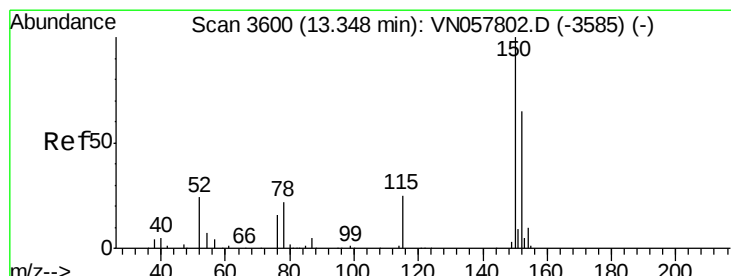
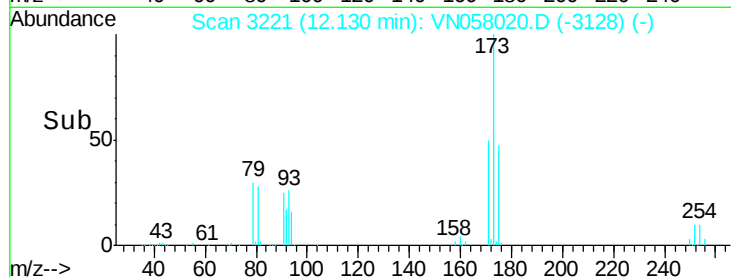
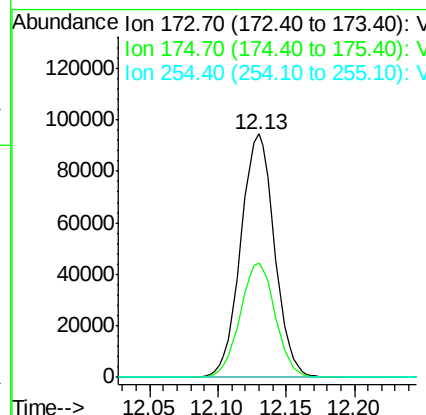
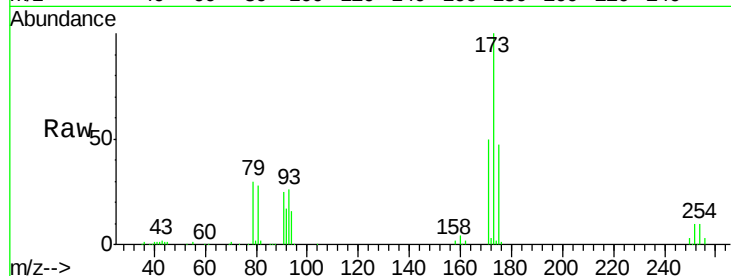
#71
Bromoform
Concen: 56.166 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.6
254	0.0	0.1	0.1#

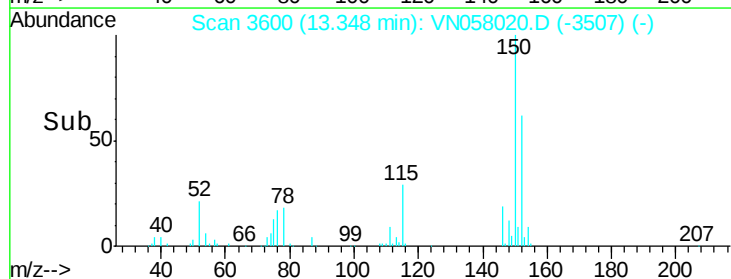
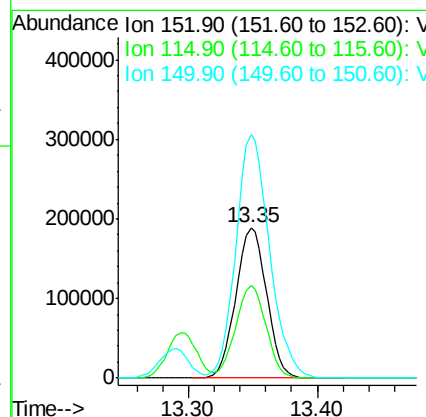
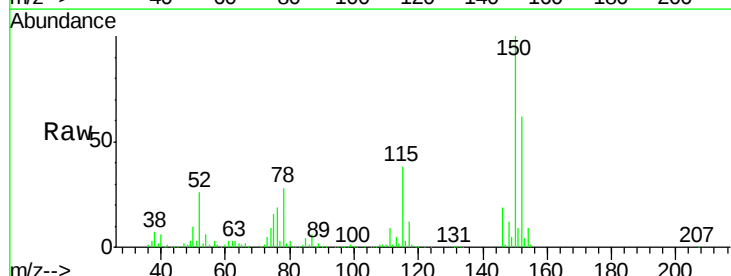
Manual Integrations
APPROVED

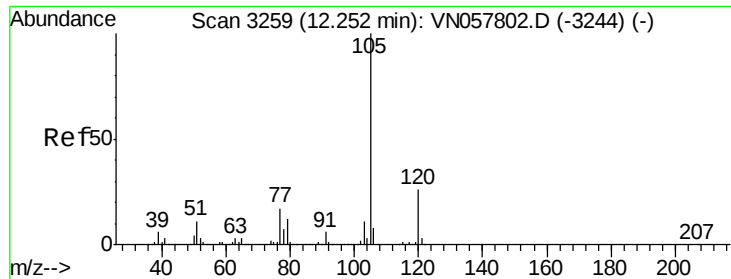
MMDadoda
9/16/2019 2:53:26 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.3	91.0
150	176.8	0.0	352.4





#73

Isopropylbenzene

Concen: 52.887 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1283821

Ion Ratio Lower Upper

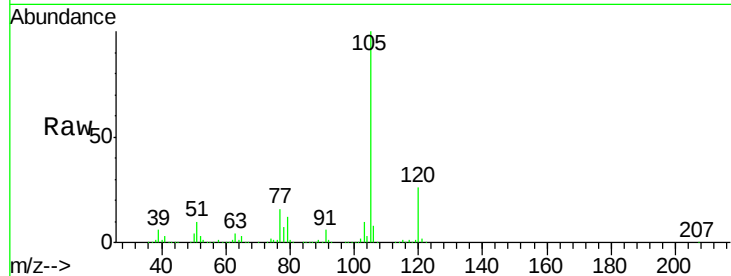
105 100

120 25.7 12.8 38.4

Manual Integrations
APPROVED

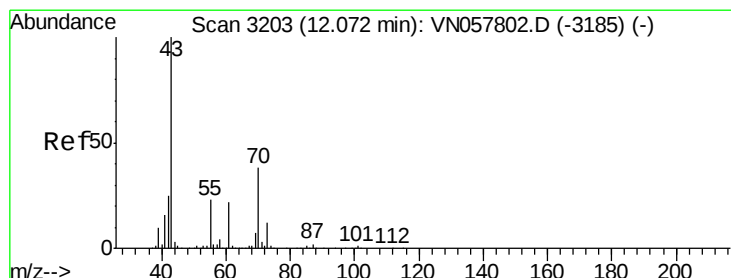
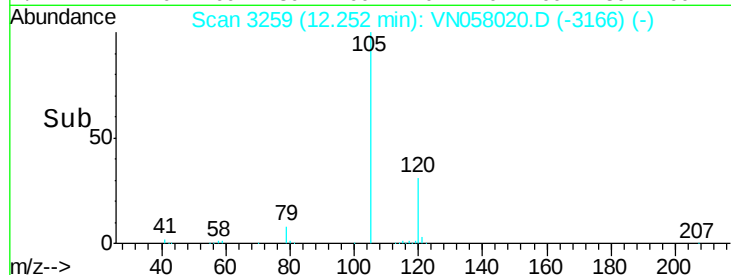
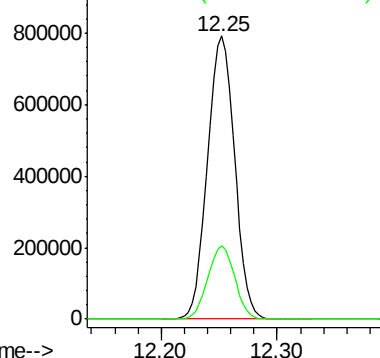
MMDadoda

9/16/2019 2:53:26 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.775 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Tgt Ion: 43 Resp: 546972

Ion Ratio Lower Upper

43 100

70 38.9 30.6 45.8

55 23.8 18.6 27.8

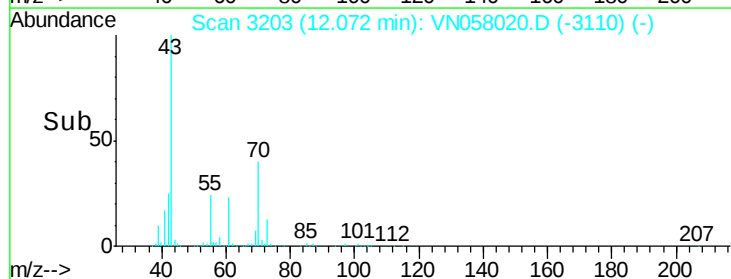
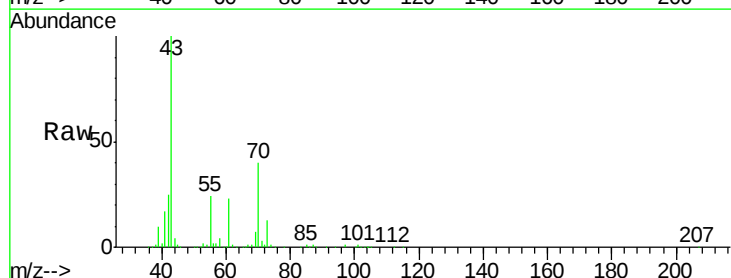
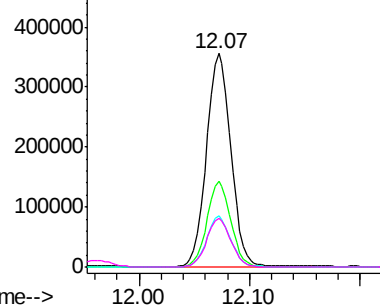
61 22.8 17.4 26.2

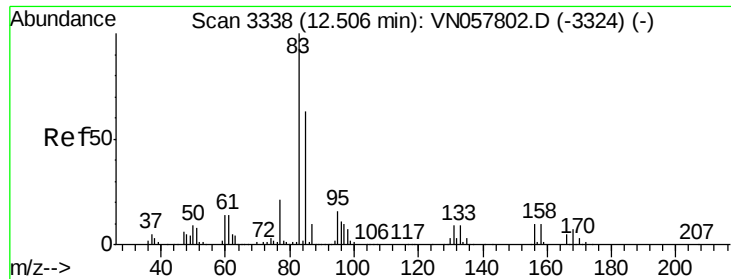
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.070 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

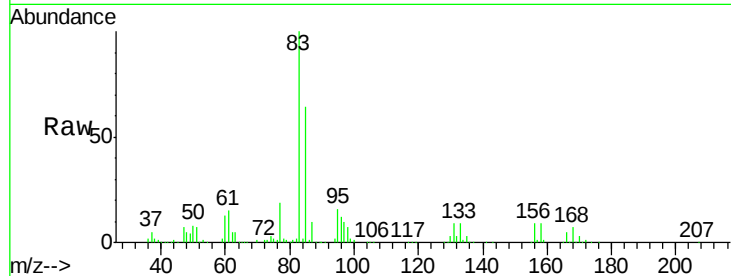
ClientSampleId :

VSTDCCC050

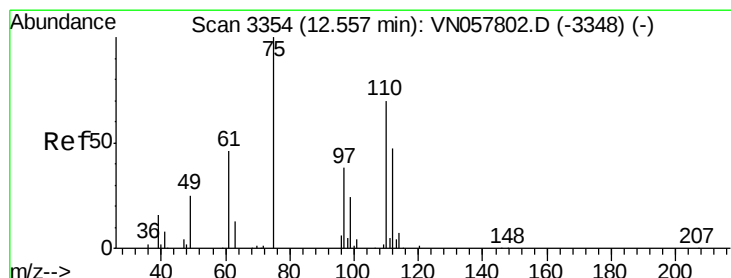
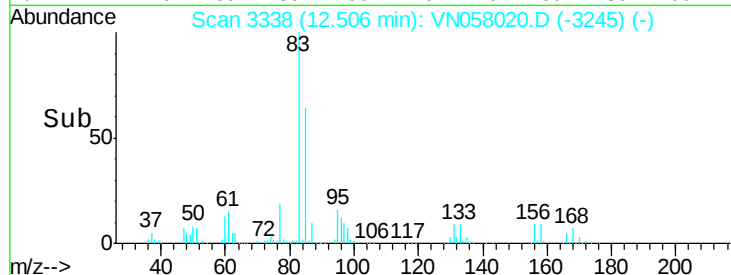
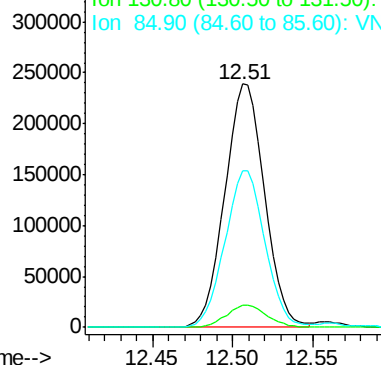
Tot Ion:	83	Resp:	409240
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	64.5	31.6	94.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN058020.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 52.463 ug/l m

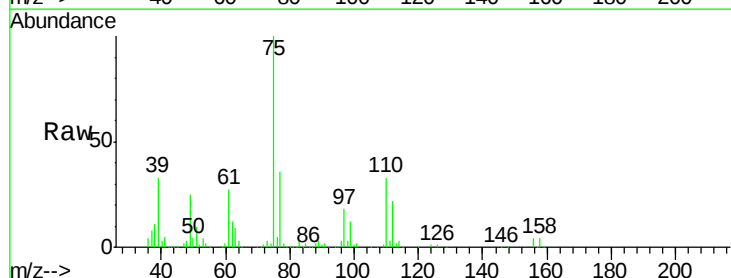
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

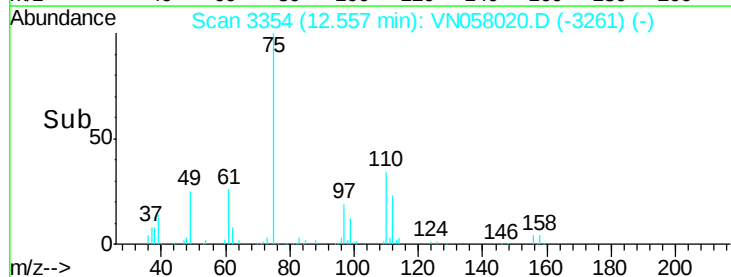
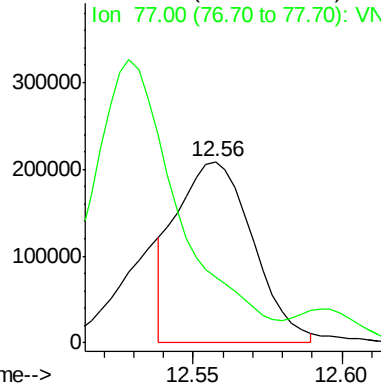
Lab File: VN058020.D

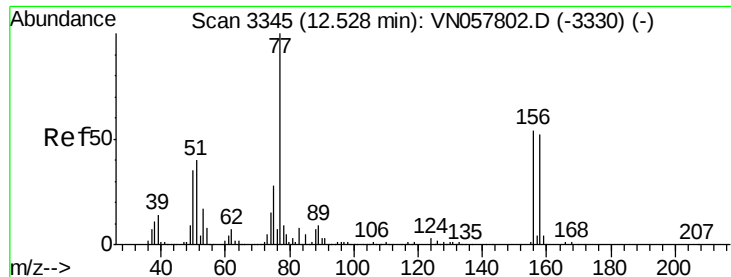
Acq: 13 Sep 2019 16:24

Tgt Ion:	75	Resp:	371273
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058020.D (-3348) (-)





#77

Bromobenzene

Concen: 48.645 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 294415

Ion Ratio Lower Upper

156 100

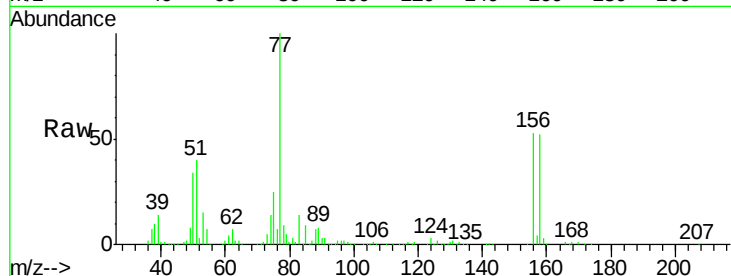
77 226.7 113.7 341.1

158 97.4 48.5 145.6

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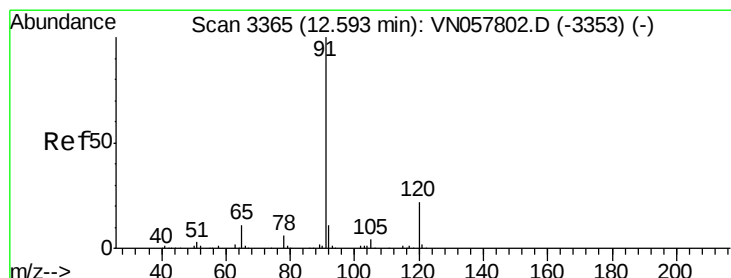
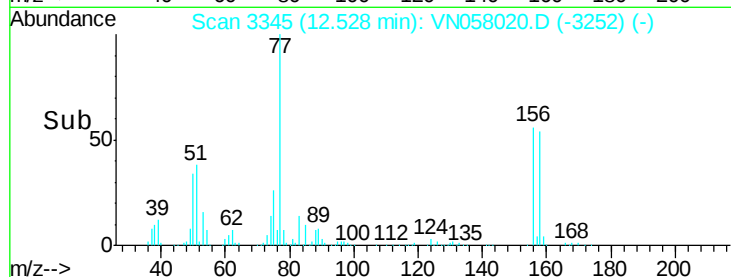
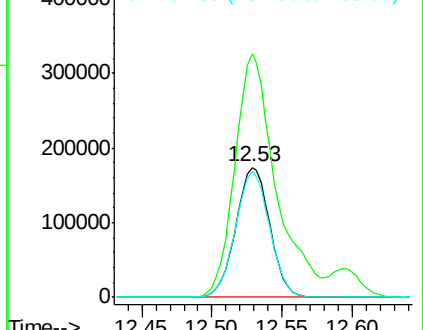
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.091 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058020.D

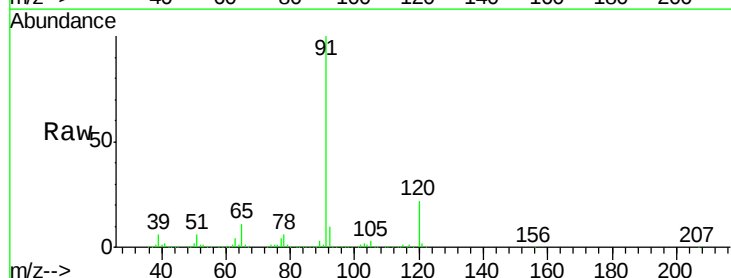
Acq: 13 Sep 2019 16:24

Tgt Ion: 91 Resp: 1507778

Ion Ratio Lower Upper

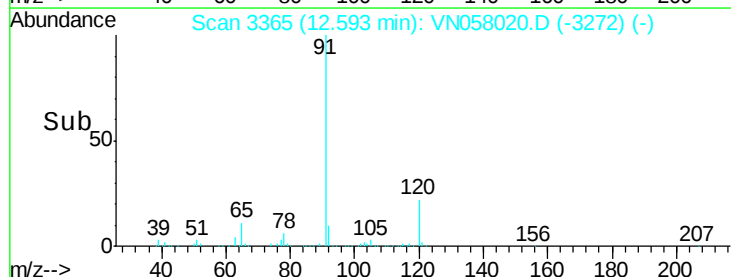
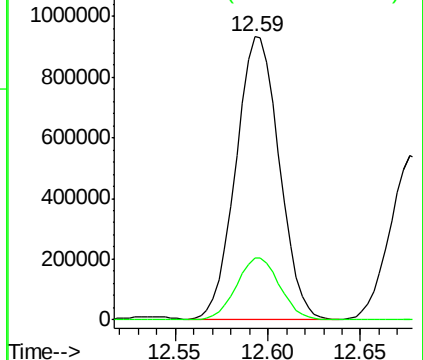
91 100

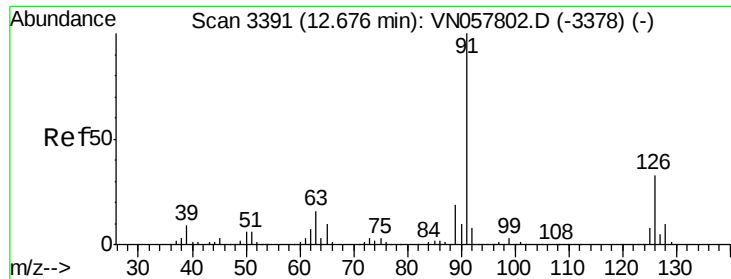
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





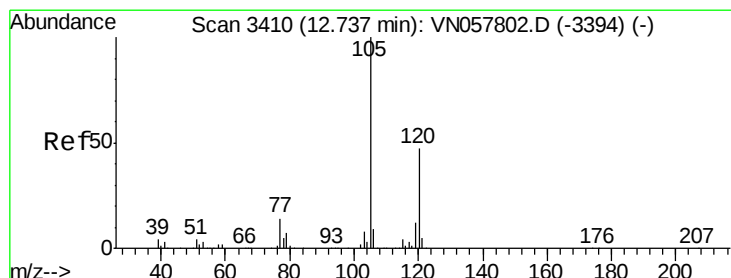
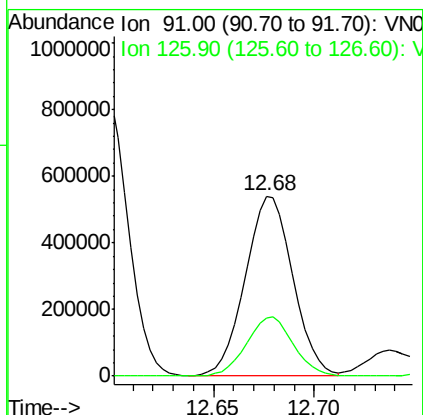
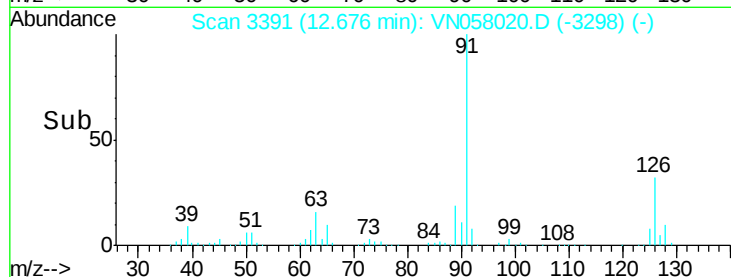
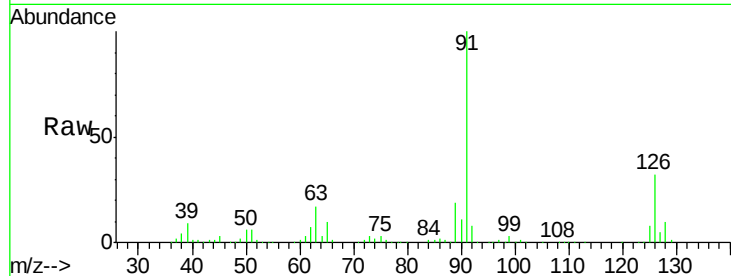
#79
 2-Chlorotoluene
 Concen: 50.346 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 886987
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.4 49.2

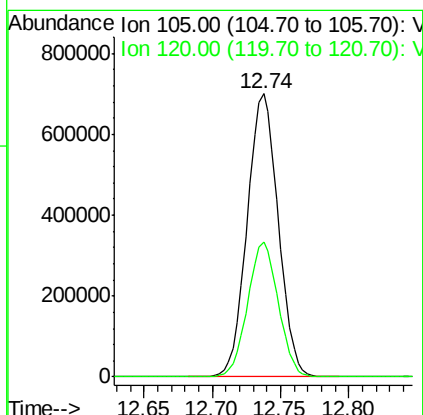
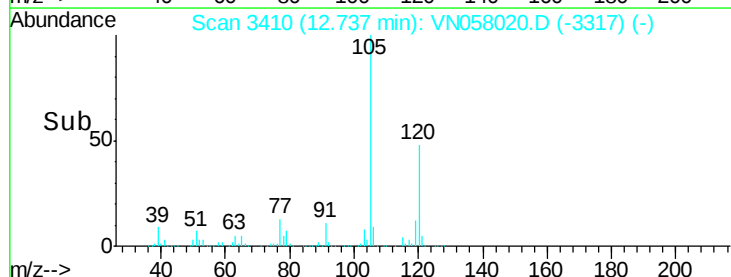
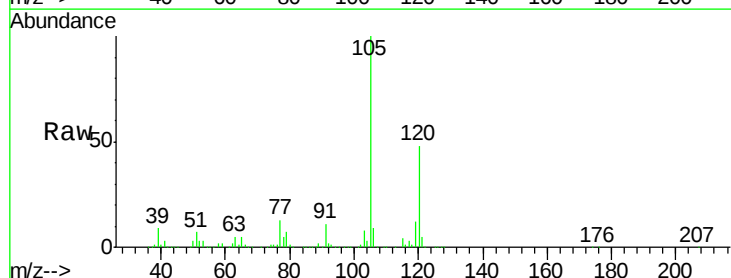
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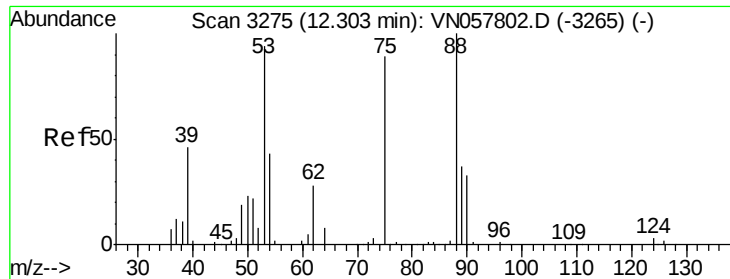
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.819 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Tgt Ion: 105 Resp: 1103863
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 51.692 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 103955

Ion Ratio Lower Upper

75 100

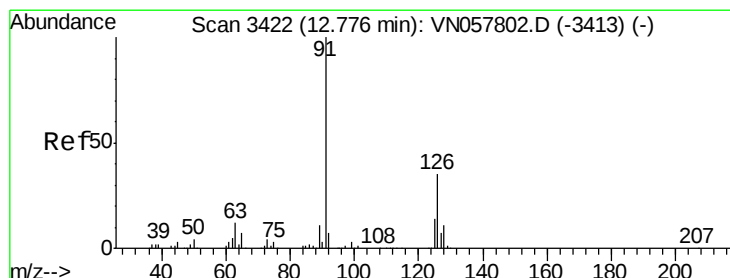
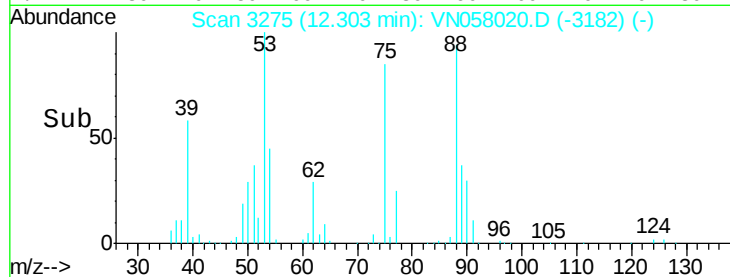
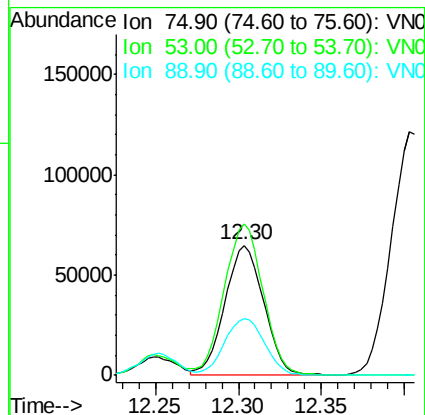
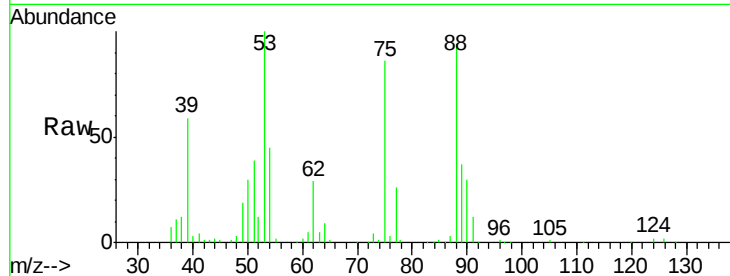
53 118.5 88.4 132.6

89 45.6 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.034 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058020.D

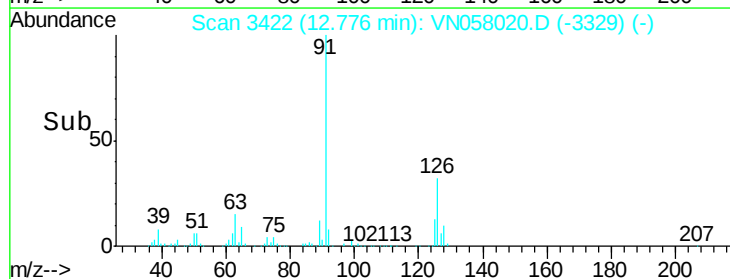
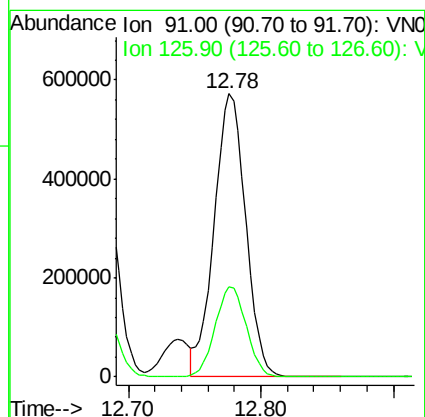
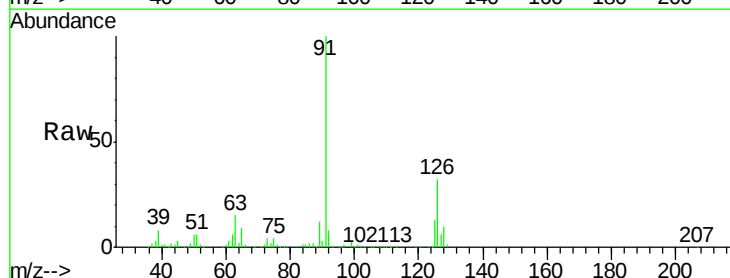
Acq: 13 Sep 2019 16:24

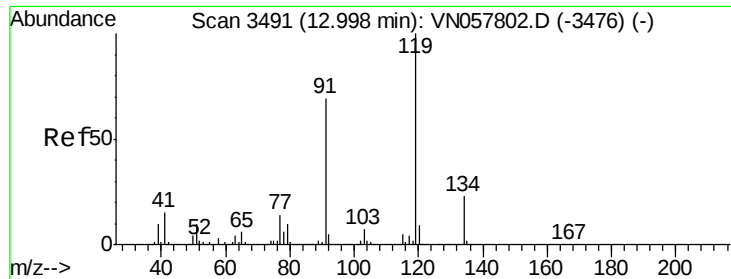
Tgt Ion: 91 Resp: 941407

Ion Ratio Lower Upper

91 100

126 31.7 16.0 48.0





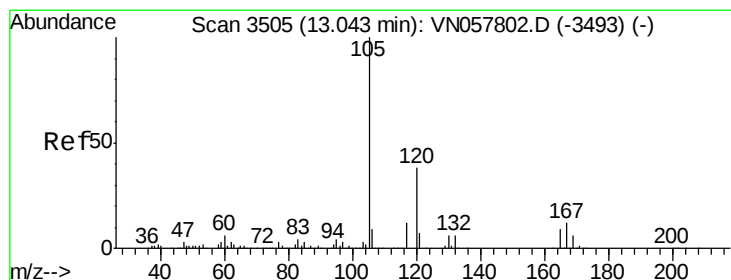
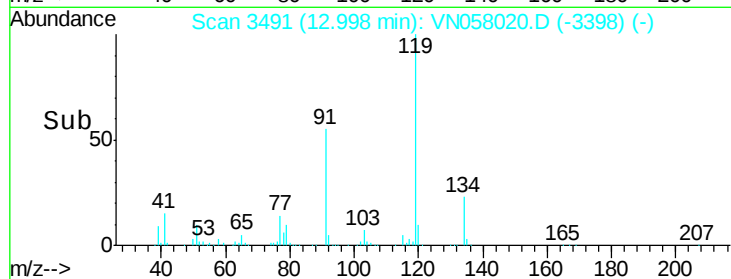
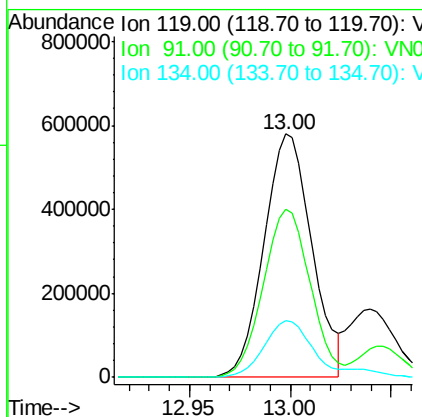
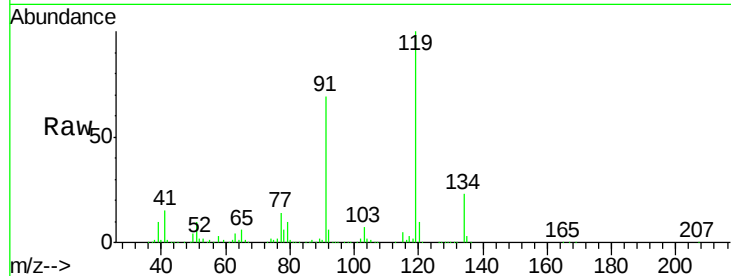
#83
 tert-Butylbenzene
 Concen: 52.422 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	955768		
91	68.1		33.6	100.8
134	23.2		11.7	35.0

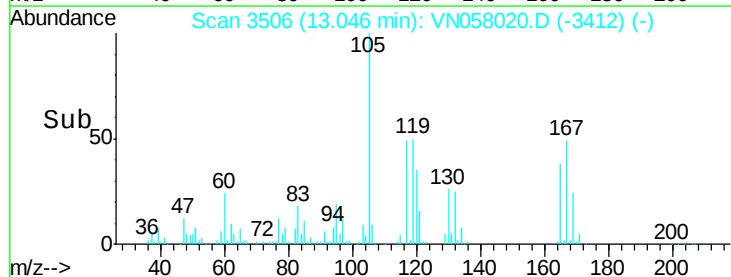
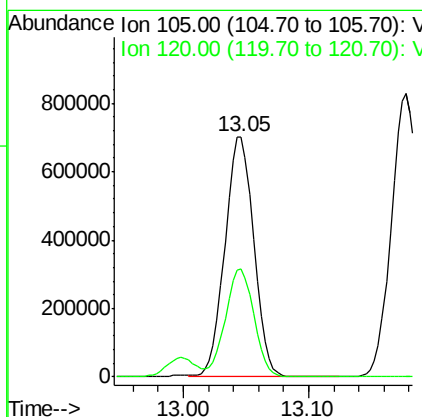
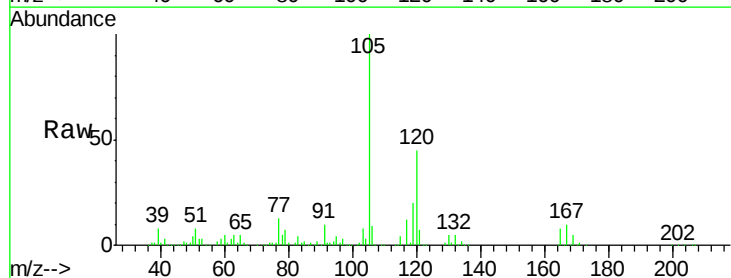
Manual Integrations
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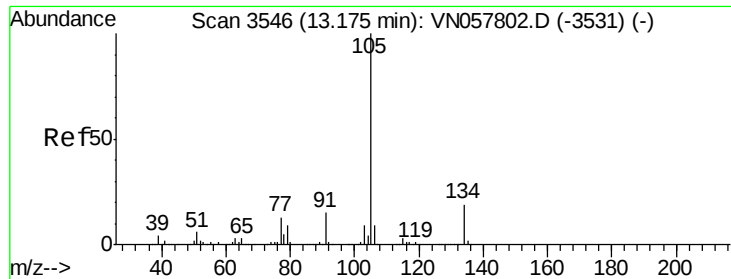
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.698 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1119401		
120	44.5		22.4	67.2





#85

sec-Butylbenzene

Concen: 54.179 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1309251

Ion Ratio Lower Upper

105 100

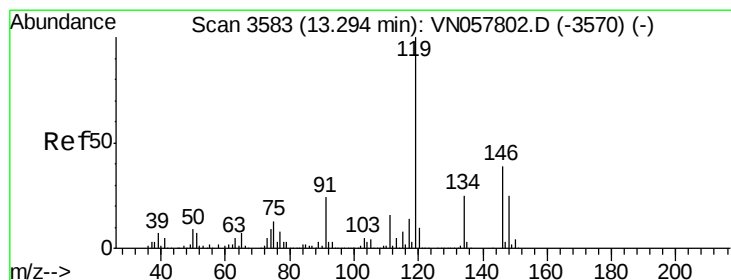
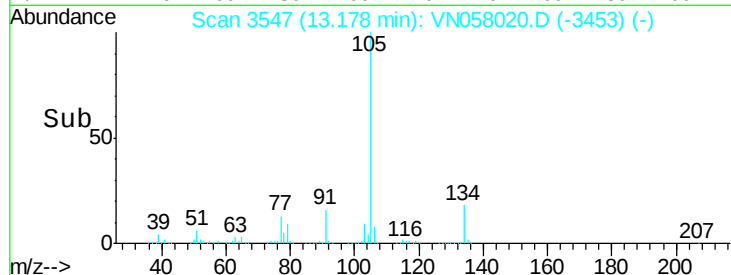
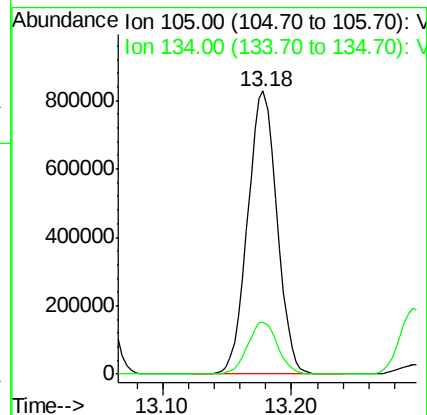
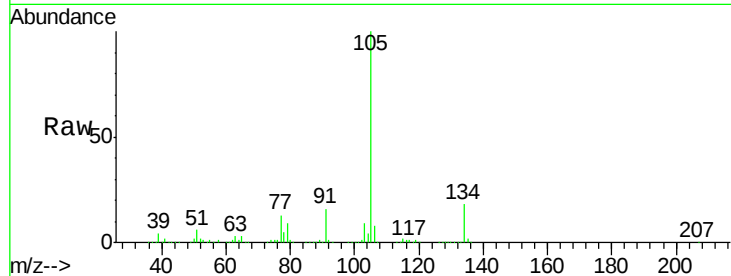
134 18.8 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 55.122 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

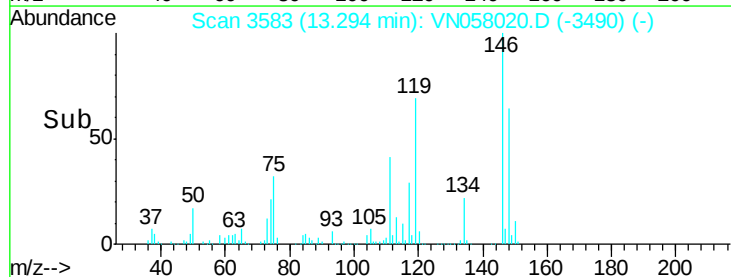
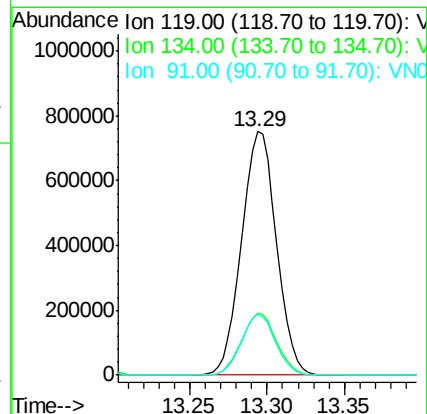
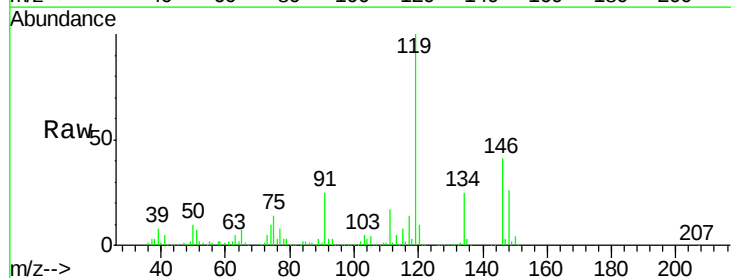
Tgt Ion:119 Resp: 1173670

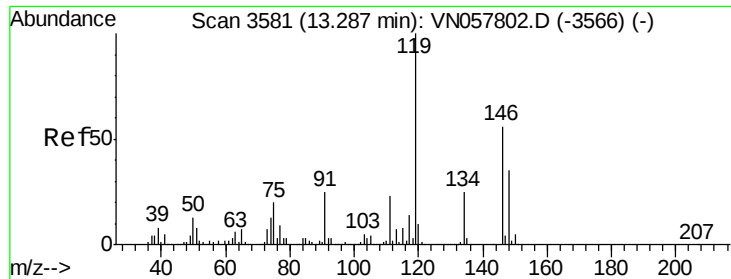
Ion Ratio Lower Upper

119 100

134 25.4 12.5 37.5

91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 51.223 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

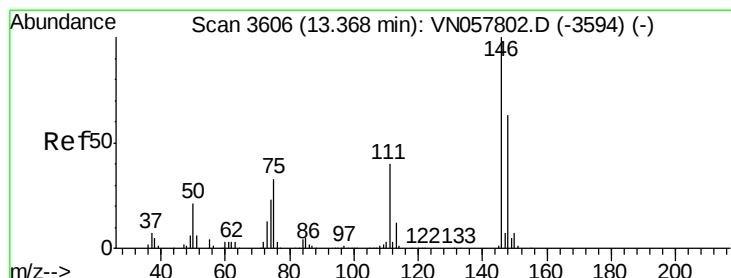
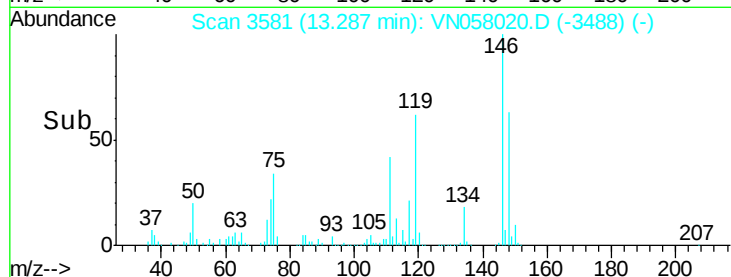
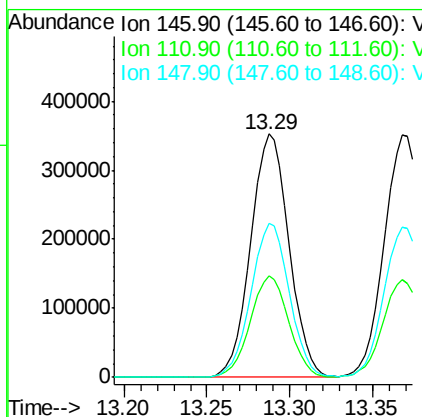
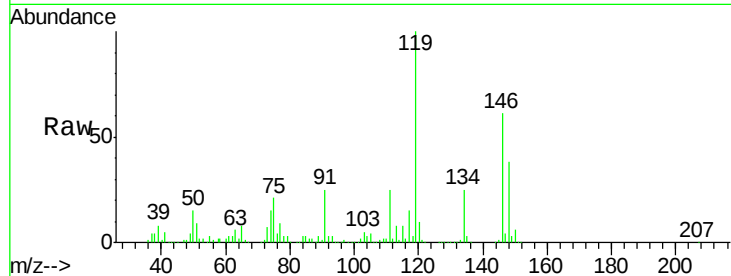
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	569032
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.5	61.6
148	63.2	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.339 ug/l

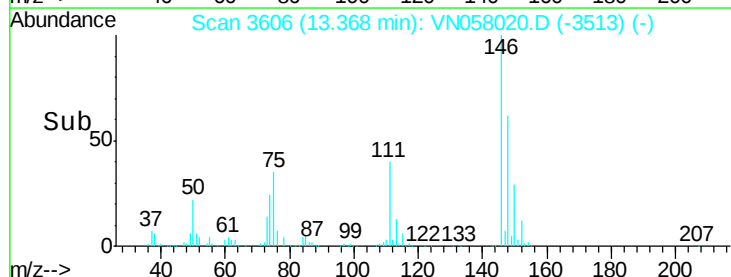
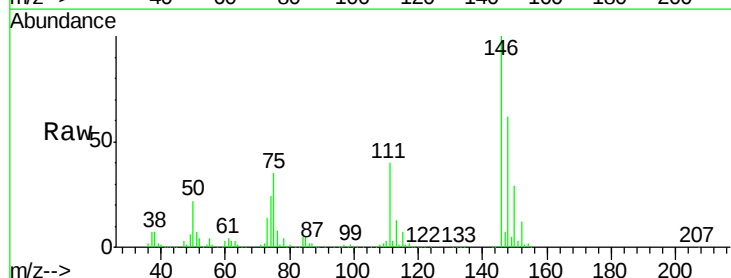
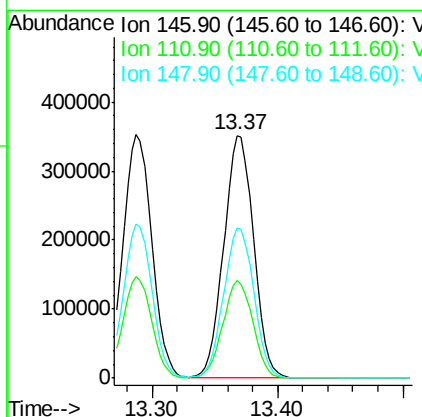
RT: 13.37 min Scan# 3606

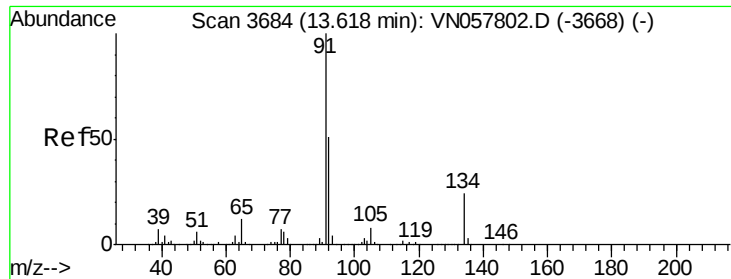
Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Tgt Ion:	146	Resp:	578908
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.4	61.2
148	62.4	31.8	95.4





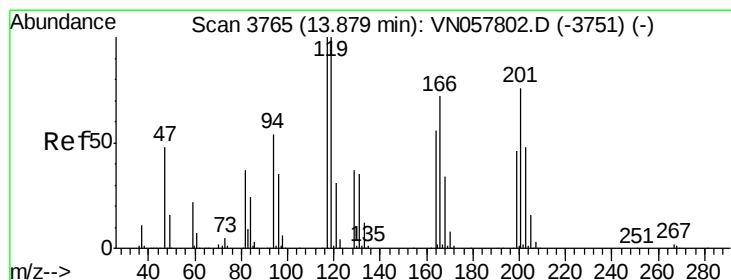
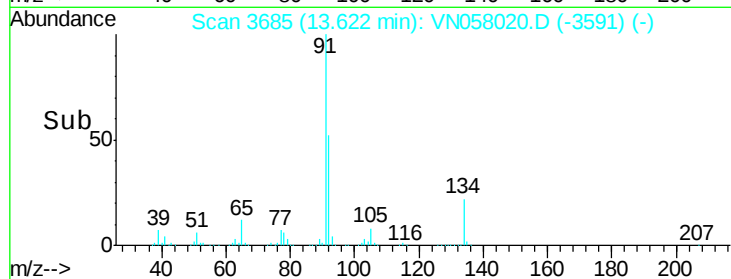
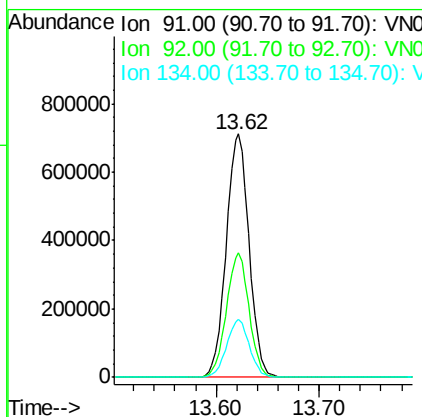
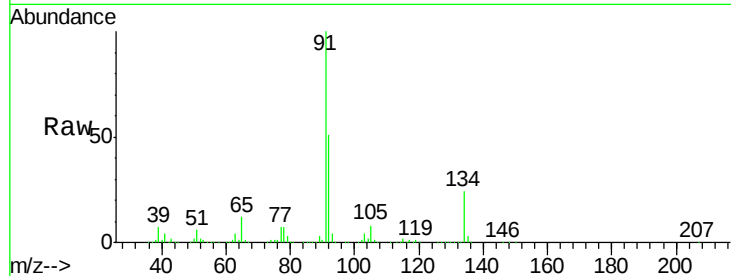
#89
n-Butylbenzene
Concen: 54.573 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1097328
Ion Ratio Lower Upper
91 100
92 50.8 25.7 77.0
134 23.7 11.9 35.7

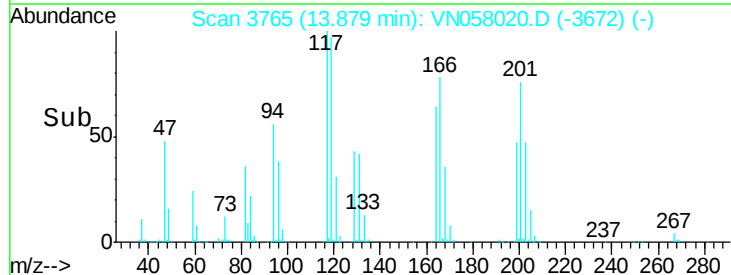
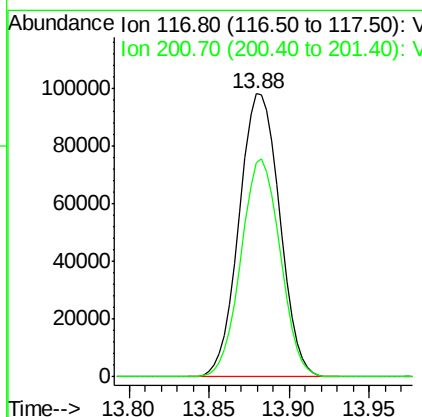
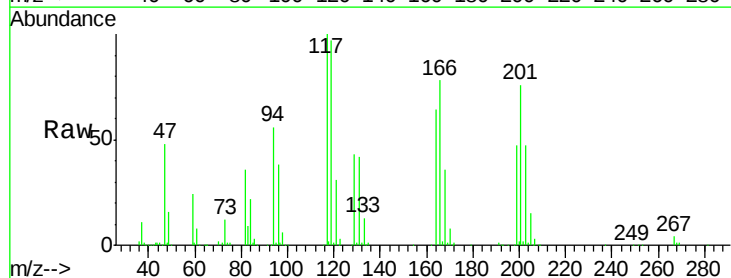
Manual Integrations
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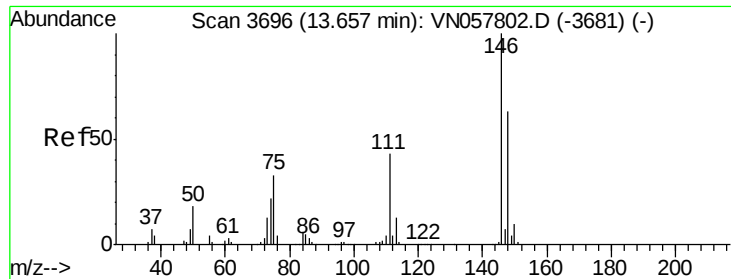
MMDadoda
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#90
Hexachloroethane
Concen: 53.797 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058020.D
Acq: 13 Sep 2019 16:24

Tgt Ion: 117 Resp: 170352
Ion Ratio Lower Upper
117 100
201 74.5 37.5 112.7





#91

1,2-Dichlorobenzene

Concen: 51.837 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

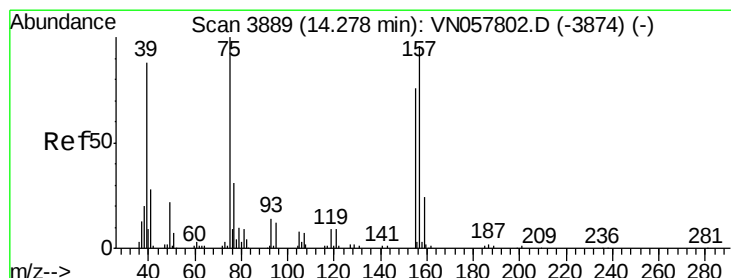
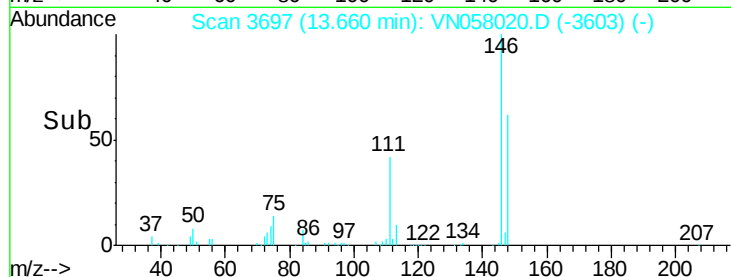
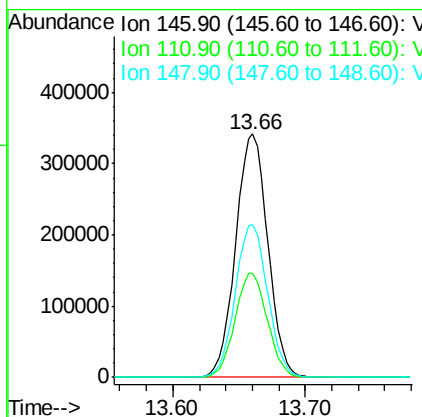
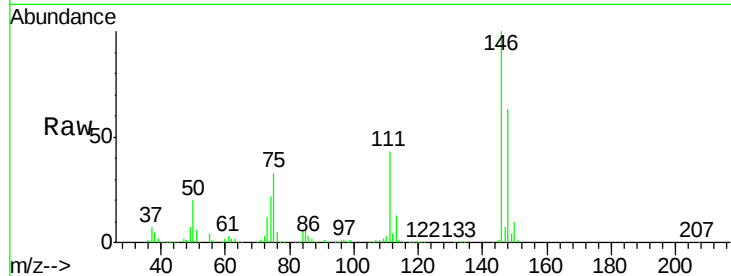
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	575296
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.3	63.9
148	63.0	31.4	94.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 55.579 ug/l

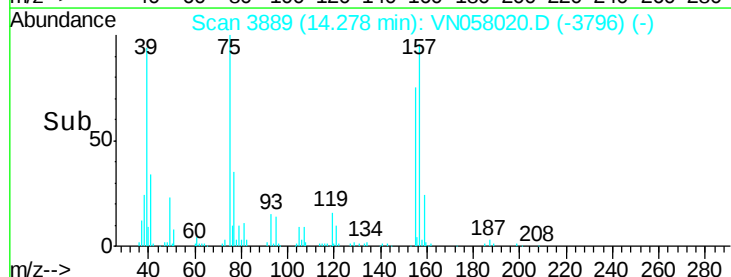
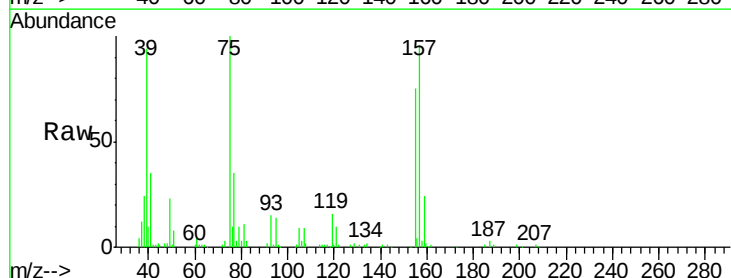
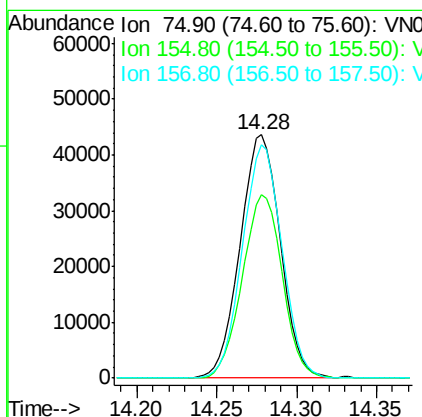
RT: 14.28 min Scan# 3889

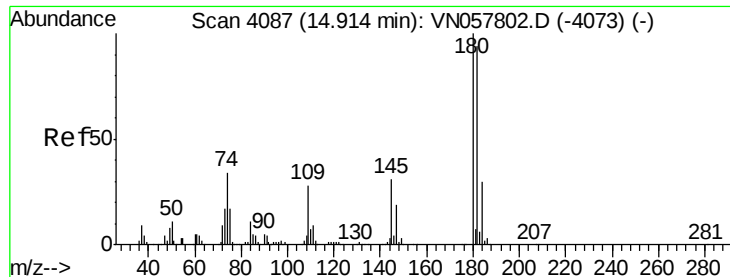
Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Tgt Ion:	75	Resp:	75020
Ion Ratio	Lower	Upper	
75	100		
155	74.8	37.3	111.8
157	94.2	47.9	143.8





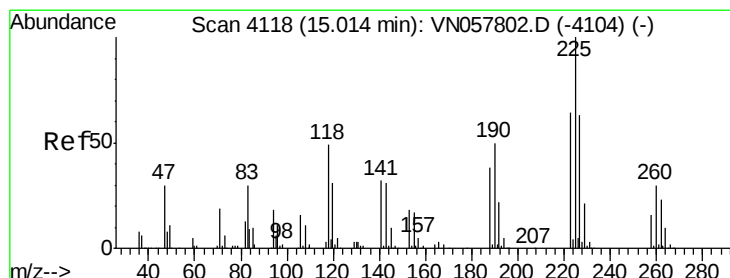
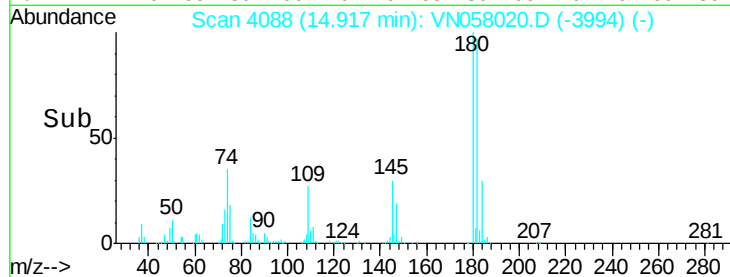
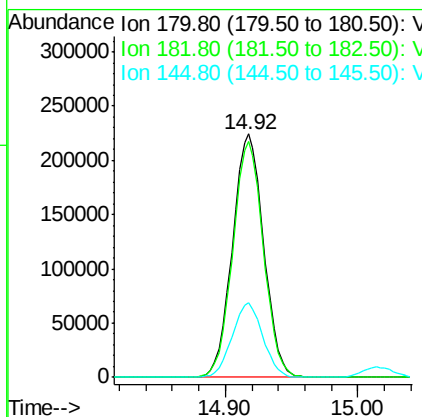
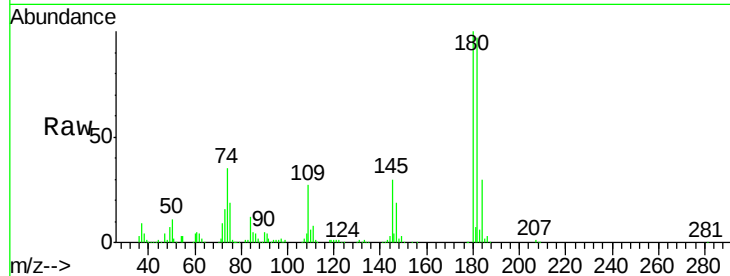
#93
 1,2,4-Trichlorobenzene
 Concen: 50.281 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180	Resp:	364744
Ion Ratio	Lower	Upper
180	100	
182	95.2	46.9 140.8
145	30.3	14.9 44.7

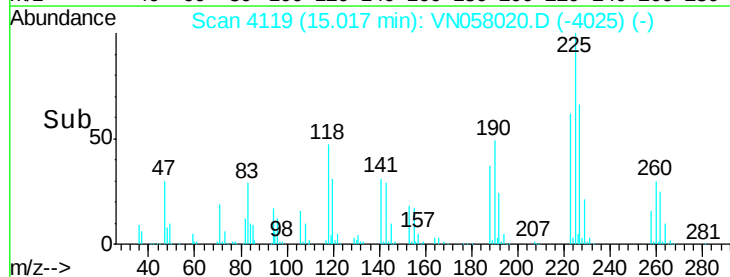
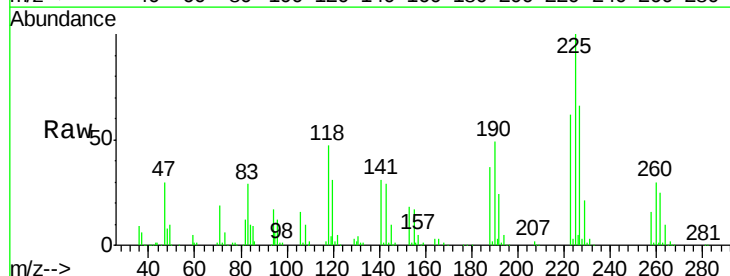
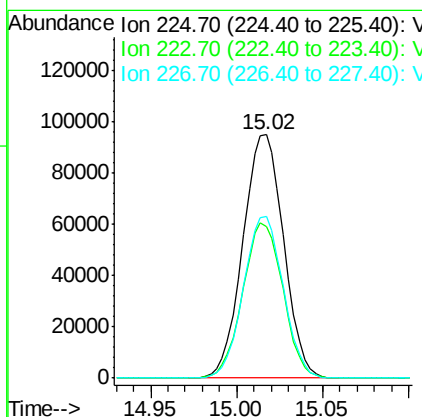
Manual Integrations
 APPROVED

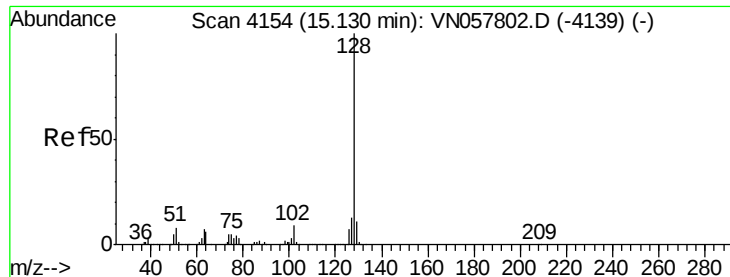
MMDadoda
 9/16/2019 2:53:26 PM



#94
 Hexachlorobutadiene
 Concen: 50.534 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058020.D
 Acq: 13 Sep 2019 16:24

Tgt Ion:225	Resp:	155392
Ion Ratio	Lower	Upper
225	100	
223	62.8	32.4 97.2
227	64.7	31.8 95.4





#95

Naphthalene

Concen: 55.269 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1009122

Ion Ratio Lower Upper

128 100

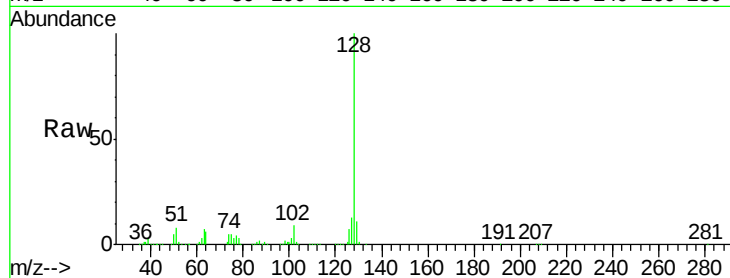
127 13.0 10.3 15.5

129 10.6 8.6 12.8

Manual Integrations
APPROVED

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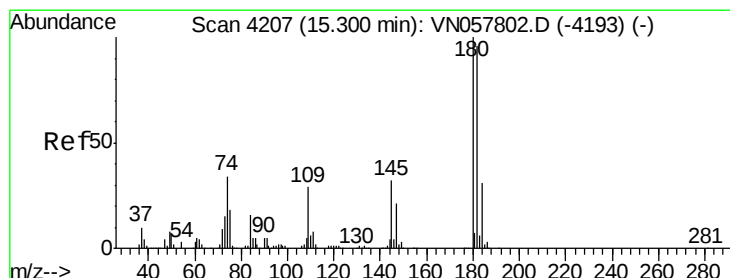
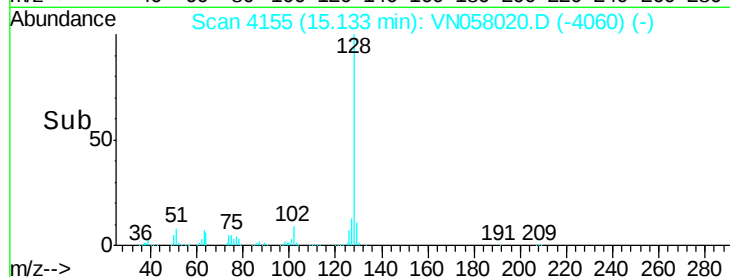
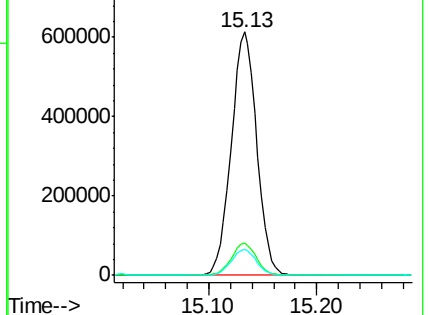
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.991 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058020.D

Acq: 13 Sep 2019 16:24

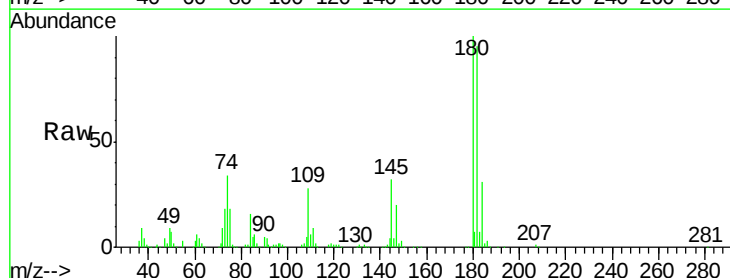
Tgt Ion:180 Resp: 342434

Ion Ratio Lower Upper

180 100

182 95.0 48.3 144.8

145 31.9 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

