

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092519\
 Data File : VN058368.D
 Acq On : 25 Sep 2019 15:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 1:00:25 PM

Quant Time: Sep 26 03:56:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	746868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	673782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	338738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	304511	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	7.57	113	220432	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.08	98	844764	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.41	95	315884	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	143335	39.835	ug/l	99
3) Chloromethane	2.04	50	129969	46.794	ug/l	99
4) Vinyl Chloride	2.17	62	138428	45.561	ug/l	98
5) Bromomethane	2.54	94	73617	45.913	ug/l	96
6) Chloroethane	2.68	64	95316	49.027	ug/l	98
7) Trichlorofluoromethane	3.00	101	212046	43.175	ug/l	98
8) Diethyl Ether	3.39	74	102589	45.587	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	163065	46.050	ug/l	98
10) Methyl Iodide	3.93	142	131972	44.477	ug/l	100
11) Tert butyl alcohol	4.76	59	207128	285.420	ug/l	100
12) 1,1-Dichloroethene	3.72	96	126122	46.911	ug/l	99
13) Acrolein	3.59	56	20443	190.087	ug/l	94
14) Allyl chloride	4.30	41	271256	46.814	ug/l	100
15) Acrylonitrile	4.96	53	526469	272.294	ug/l	99
16) Acetone	3.80	43	533370	257.564	ug/l	98
17) Carbon Disulfide	4.03	76	154385	40.865	ug/l	99
18) Methyl Acetate	4.30	43	278283	51.070	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	675586	50.584	ug/l	99
20) Methylene Chloride	4.53	84	184565	50.910	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	138741	47.359	ug/l	98
22) Diisopropyl ether	5.93	45	740329	50.298	ug/l	97
23) Vinyl Acetate	5.87	43	2719641	270.035	ug/l	100
24) 1,1-Dichloroethane	5.82	63	377050	47.997	ug/l	100
25) 2-Butanone	6.81	43	767237	271.949	ug/l	98
26) 2,2-Dichloropropane	6.80	77	320508	48.092	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	212257	47.786	ug/l	99
28) Bromochloromethane	7.17	49	188182	50.638	ug/l	98
29) Tetrahydrofuran	7.19	42	453273	260.829	ug/l	100
30) Chloroform	7.36	83	410632	48.561	ug/l	99
31) Cyclohexane	7.64	56	234043	45.892	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	317947	49.391	ug/l	99
36) 1,1-Dichloropropene	7.78	75	234950	43.622	ug/l	99
37) Ethyl Acetate	6.91	43	288441	51.604	ug/l	99
38) Carbon Tetrachloride	7.76	117	249519	46.086	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	235670	45.262	ug/l	97
40) Benzene	8.03	78	751835	45.702	ug/l	100
41) Methacrylonitrile	7.15	41	146641	52.039	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	331387	48.007	ug/l	99
43) Isopropyl Acetate	8.15	43	535257	51.275	ug/l	99
44) Trichloroethene	8.82	130	184112	45.734	ug/l	98
45) 1,2-Dichloropropane	9.11	63	239340	48.717	ug/l	99
46) Dibromomethane	9.20	93	144294	48.309	ug/l	98
47) Bromodichloromethane	9.39	83	322570	51.549	ug/l	98
48) Methyl methacrylate	9.19	41	247433	52.204	ug/l	100
49) 1,4-Dioxane	9.19	88	91684	1178.187	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1644988	296.675	ug/l	99
52) Toluene	10.15	92	479330	46.492	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	337470	52.648	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	356649	50.396	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	233158	50.960	ug/l	99
56) Ethyl methacrylate	10.43	69	348674	52.819	ug/l	100
57) 1,3-Dichloropropane	10.71	76	391281	49.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	844053	268.431	ug/l	100
59) 2-Hexanone	10.75	43	1197101	290.698	ug/l	99
60) Dibromochloromethane	10.90	129	234757	53.334	ug/l	99
61) 1,2-Dibromoethane	11.00	107	214583	50.608	ug/l	99
64) Tetrachloroethene	10.63	164	143442	43.672	ug/l	97
65) Chlorobenzene	11.43	112	568164	47.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	226522	52.712	ug/l	98
67) Ethyl Benzene	11.51	91	1010732	49.772	ug/l	100
68) m/p-Xylenes	11.62	106	736709	96.323	ug/l	97
69) o-Xylene	11.95	106	369059	49.074	ug/l	99
70) Styrene	11.97	104	657779	50.764	ug/l	99
71) Bromoform	12.13	173	153119	48.199	ug/l #	100
73) Isopropylbenzene	12.25	105	1063945	50.179	ug/l	99
74) N-amyl acetate	12.07	43	482126	54.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	367939	51.820	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	317975m	52.451	ug/l	
77) Bromobenzene	12.53	156	248389	46.572	ug/l	97
78) n-propylbenzene	12.60	91	1249181	51.846	ug/l	99
79) 2-Chlorotoluene	12.68	91	751786	49.926	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	918708	51.240	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	98883	48.714	ug/l	98
82) 4-Chlorotoluene	12.78	91	783662	49.510	ug/l	99
83) tert-Butylbenzene	13.00	119	805942	50.405	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	938985	52.626	ug/l	99
85) sec-Butylbenzene	13.18	105	1108830	53.032	ug/l	100
86) p-Isopropyltoluene	13.30	119	990136	53.267	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	477116	48.978	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	481187	48.384	ug/l	100
89) n-Butylbenzene	13.62	91	922282	52.334	ug/l	100
90) Hexachloroethane	13.88	117	158067	48.579	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	488721	50.014	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	70876	55.446	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	308187	49.362	ug/l	99
94) Hexachlorobutadiene	15.02	225	150054	49.726	ug/l	96
95) Naphthalene	15.14	128	876726	54.185	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	293482	49.734	ug/l	99

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

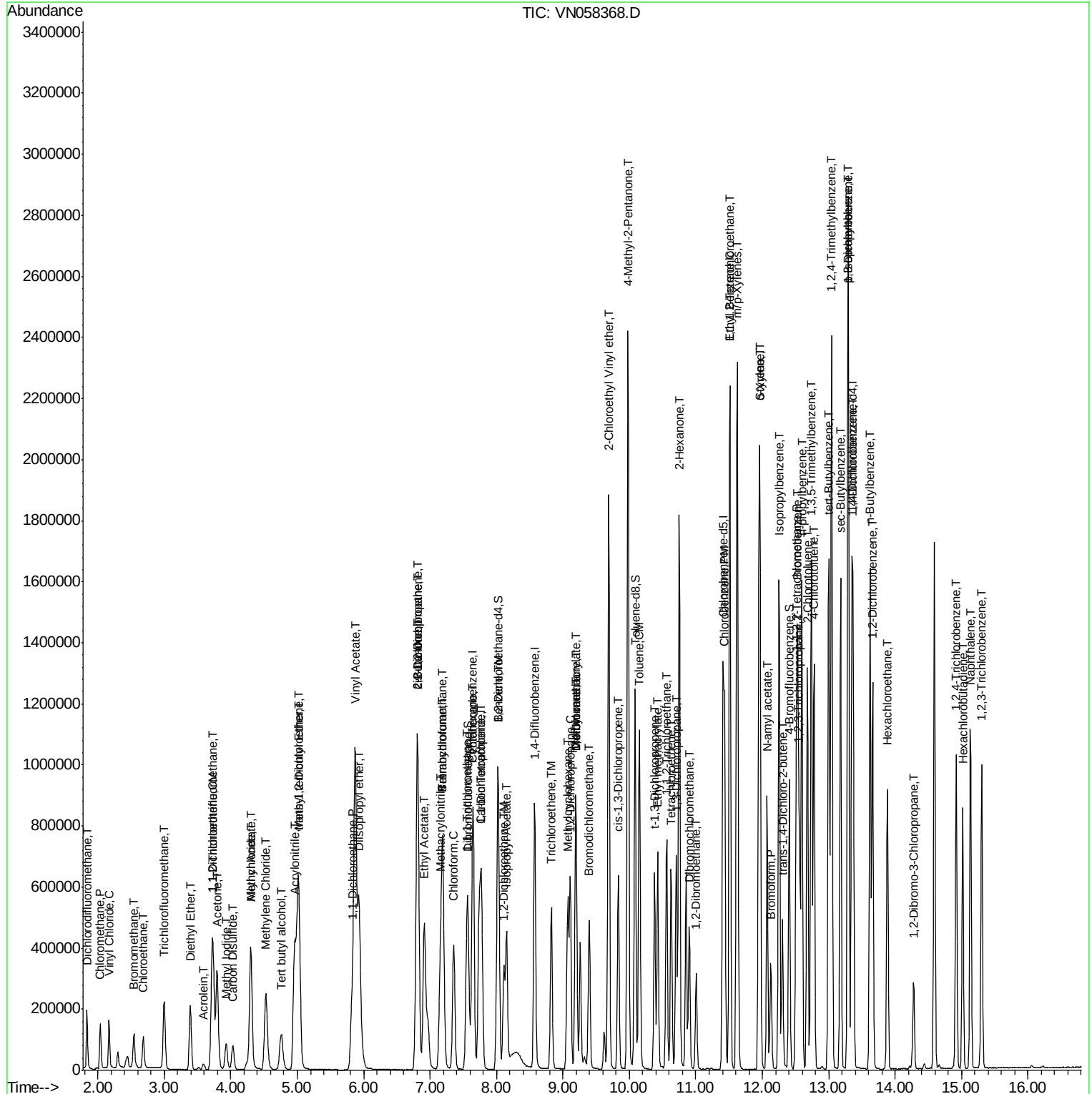
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Data File : VN058368.D
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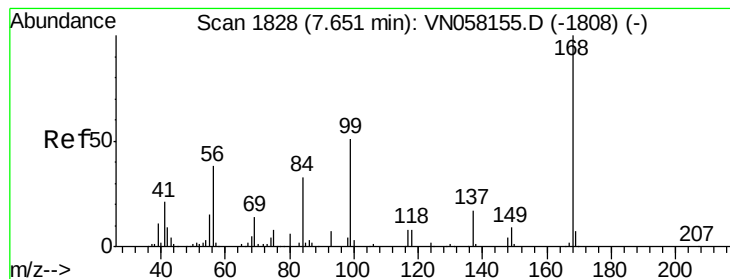
Instrument :
MSVOA_N
Client Sampled :
VSTDCCC050EC

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 438017

Ion Ratio Lower Upper

168 100

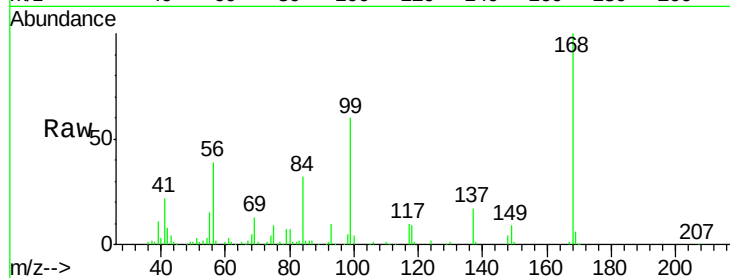
99 60.1 47.4 71.2

Manual Integrations

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9/26/2019 1:00:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

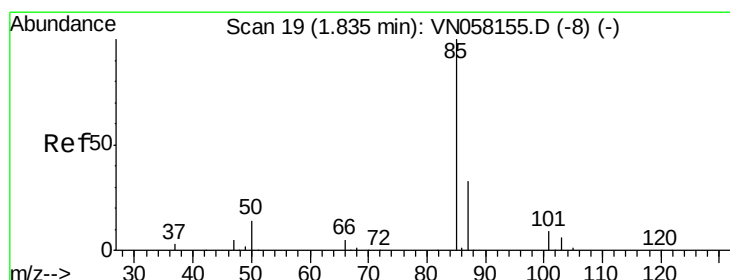
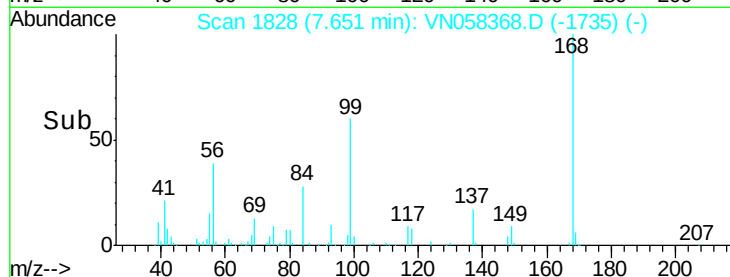
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 39.835 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058368.D

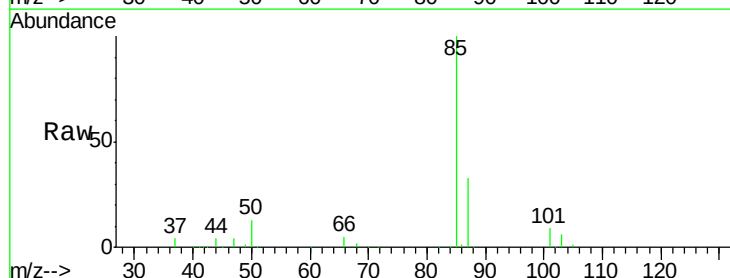
Acq: 25 Sep 2019 15:33

Tgt Ion: 85 Resp: 143335

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

60000

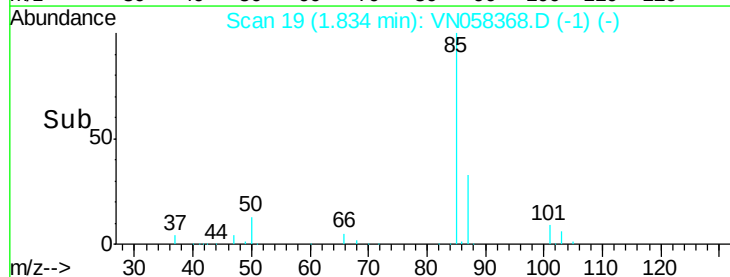
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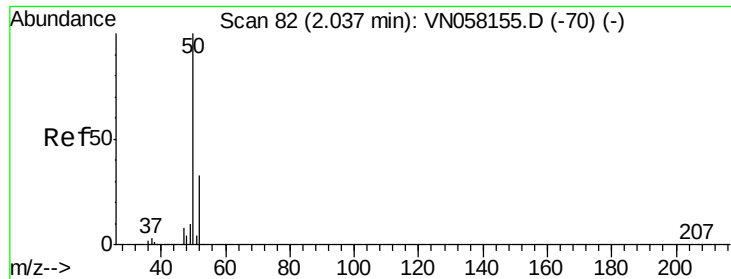
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 46.794 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 129969

Ion Ratio Lower Upper

50 100

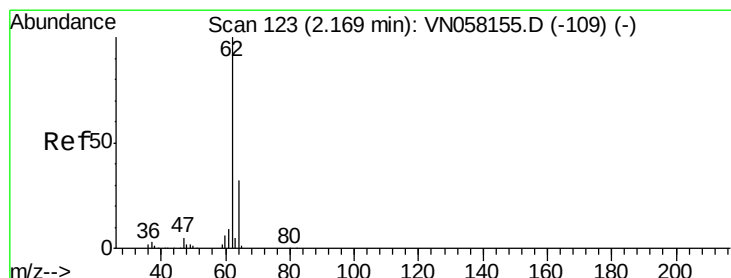
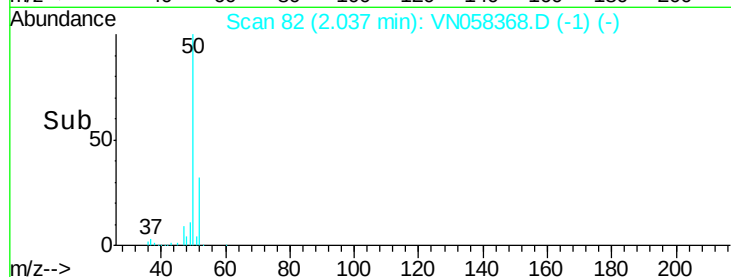
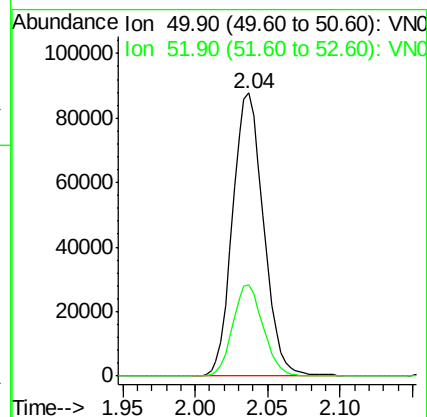
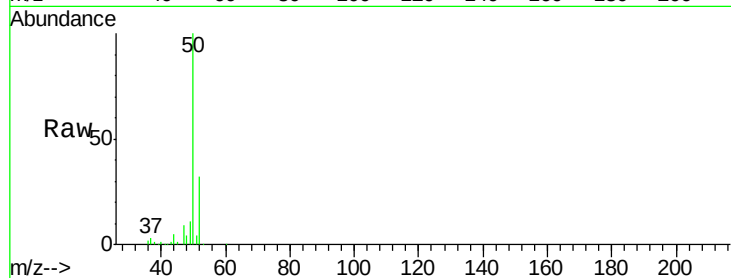
52 32.3 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.561 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058368.D

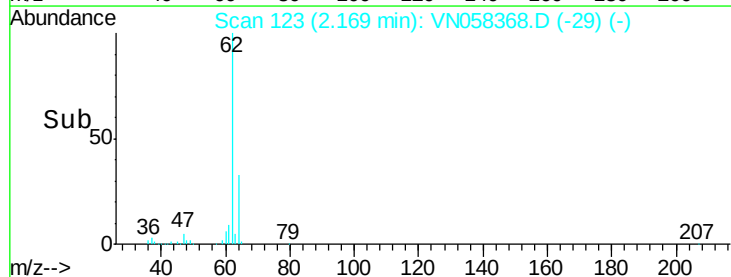
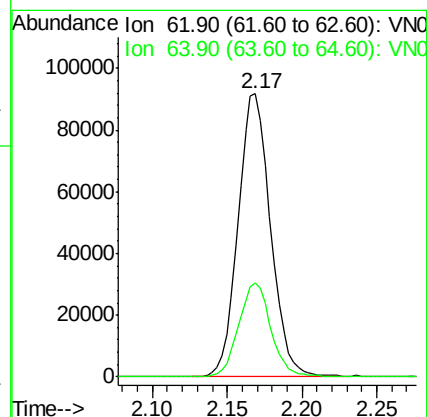
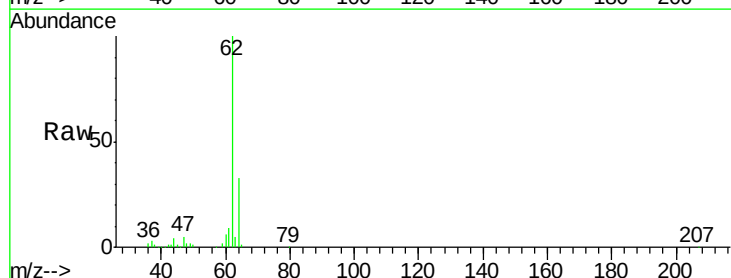
Acq: 25 Sep 2019 15:33

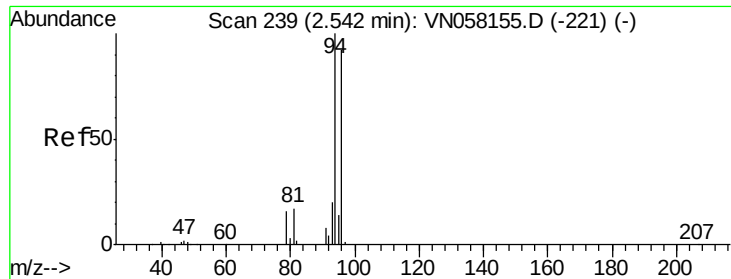
Tgt Ion: 62 Resp: 138428

Ion Ratio Lower Upper

62 100

64 33.1 25.4 38.2





#5

Bromomethane

Concen: 45.913 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 73617

Ion Ratio Lower Upper

94 100

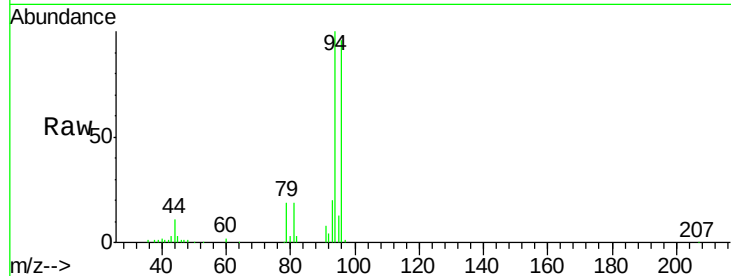
96 95.8 73.3 109.9

Manual Integrations

APPROVED

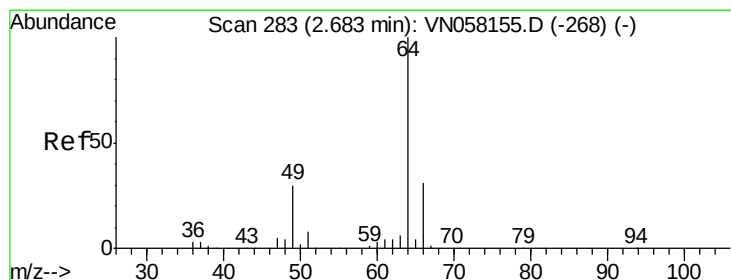
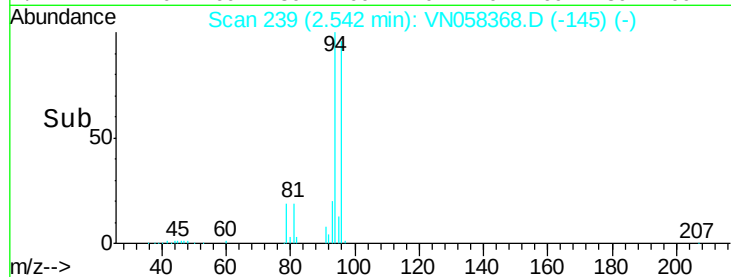
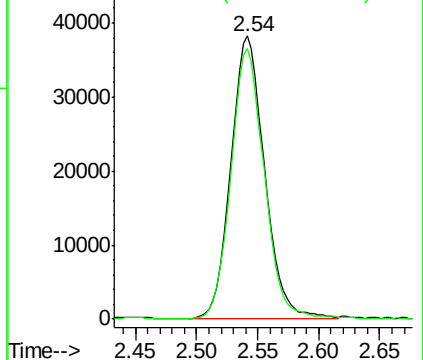
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.027 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058368.D

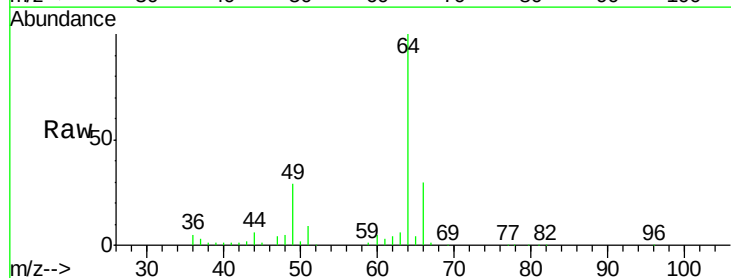
Acq: 25 Sep 2019 15:33

Tgt Ion: 64 Resp: 95316

Ion Ratio Lower Upper

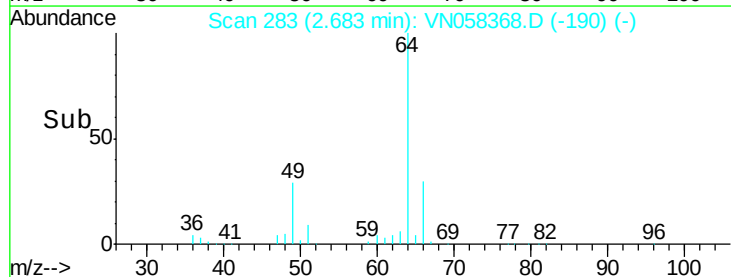
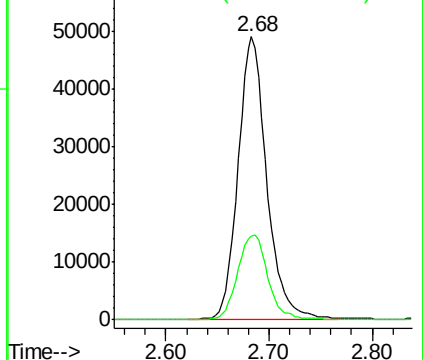
64 100

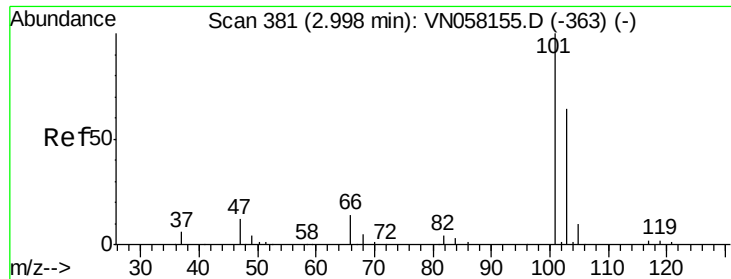
66 29.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

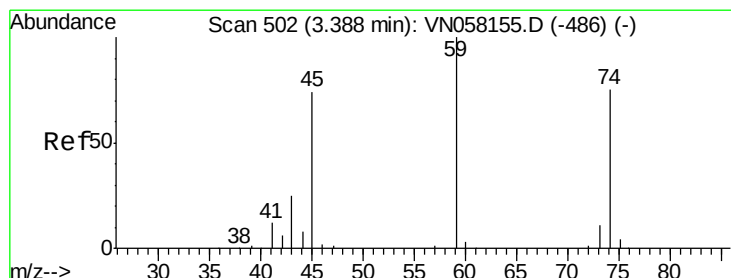
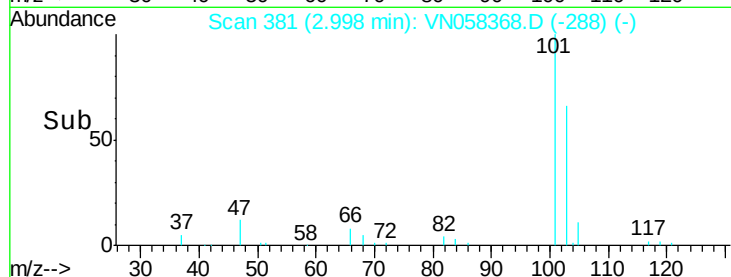
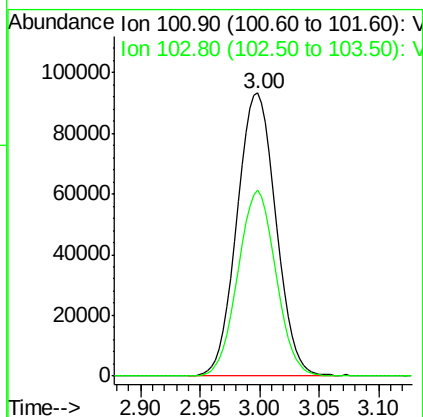
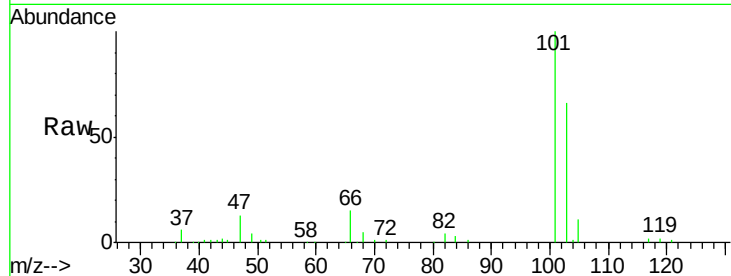
Trichlorofluoromethane
Concen: 43.175 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.6

Manual Integrations
APPROVED

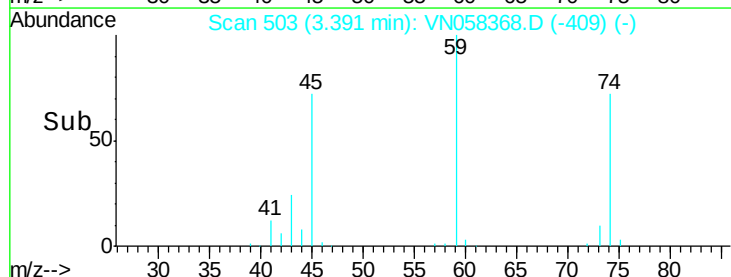
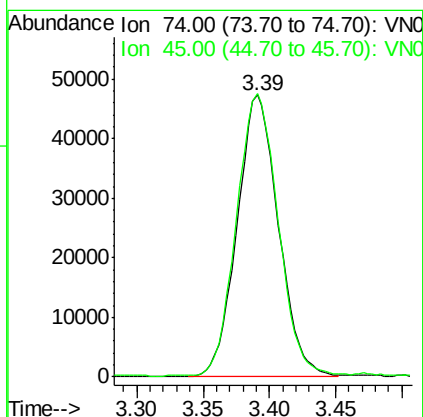
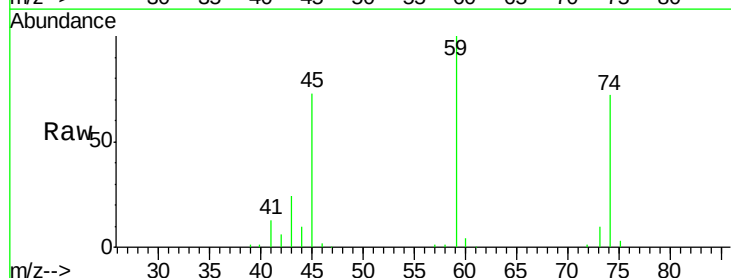
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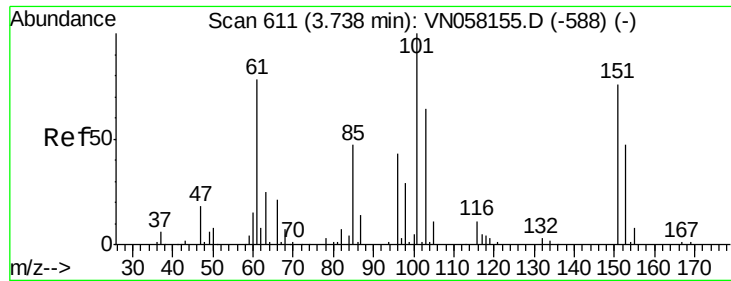


#8

Diethyl Ether
Concen: 45.587 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058368.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	48.5	145.5





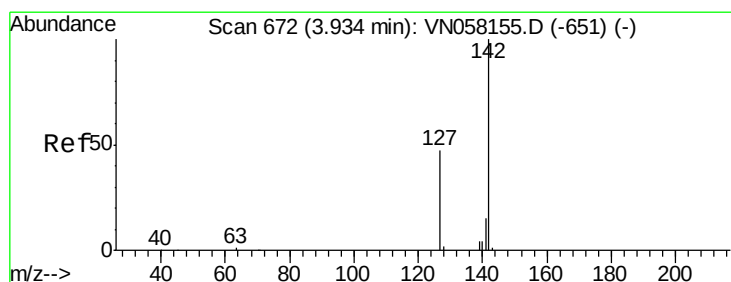
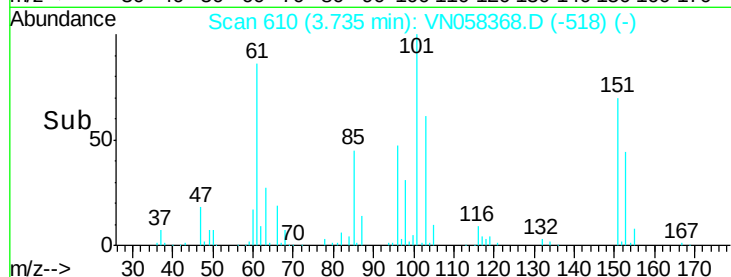
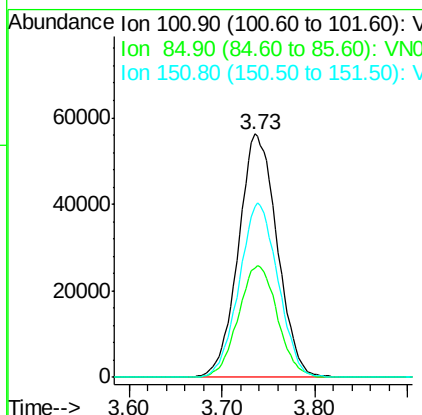
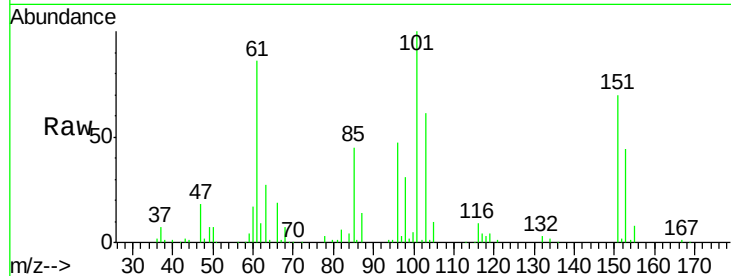
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.050 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.3	37.3	55.9
151	71.7	59.6	89.4

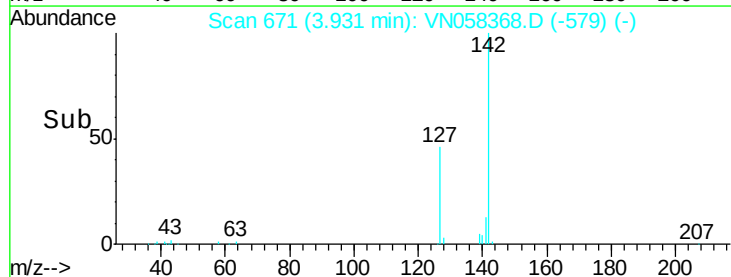
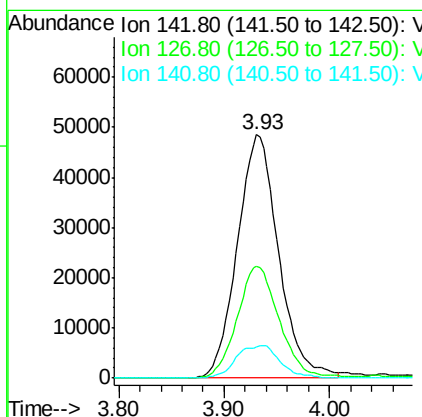
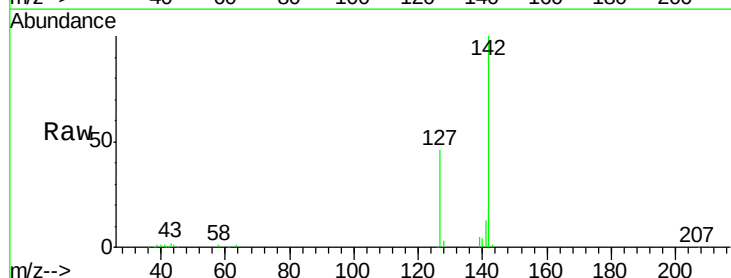
Manual Integrations
 APPROVED

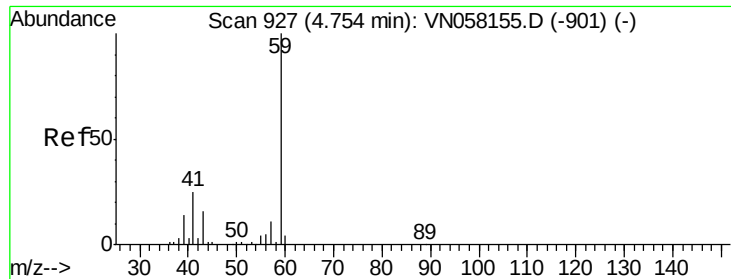
MMDadoda
 9/26/2019 1:00:25 PM



#10
 Methyl Iodide
 Concen: 44.477 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.5	56.3
141	14.4	11.4	17.2





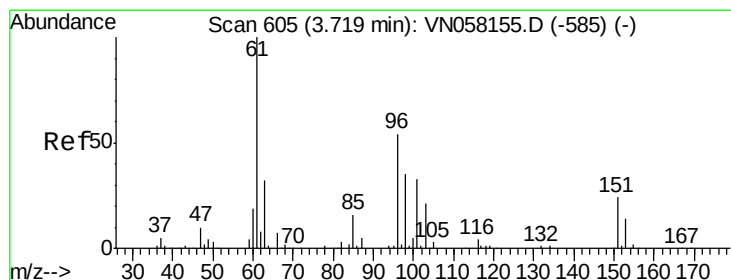
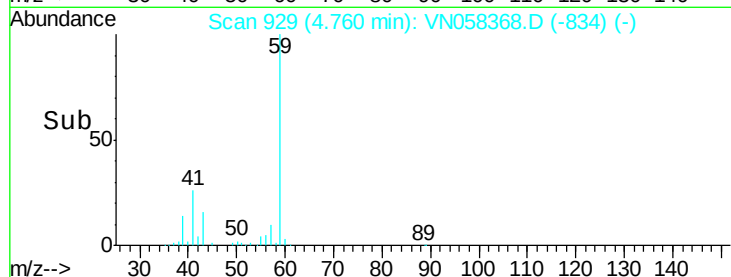
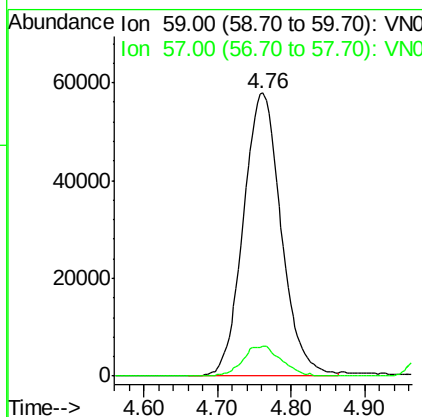
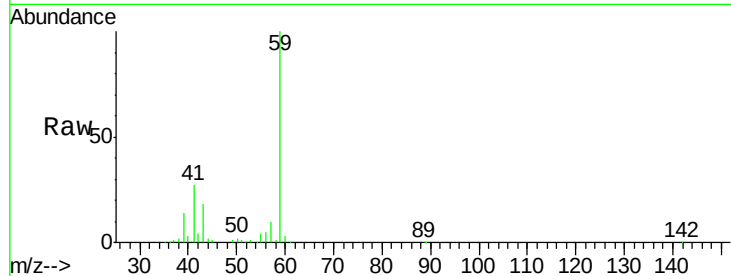
#11
Tert butyl alcohol
Concen: 285.420 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	207128		
57	10.7		8.6	13.0

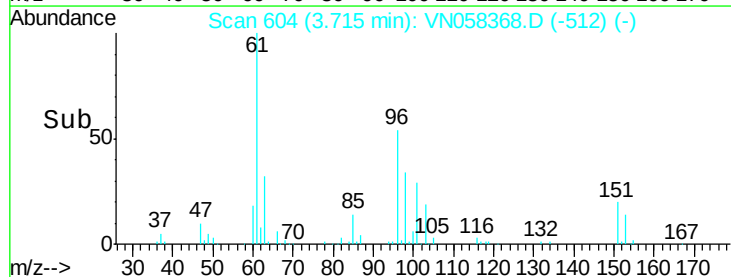
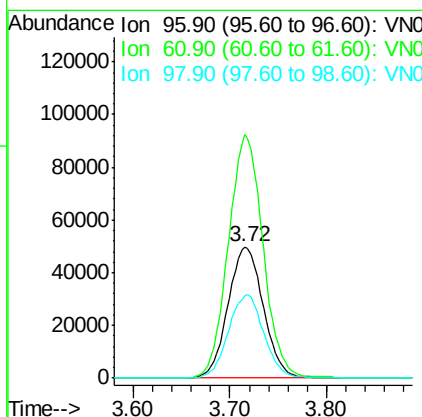
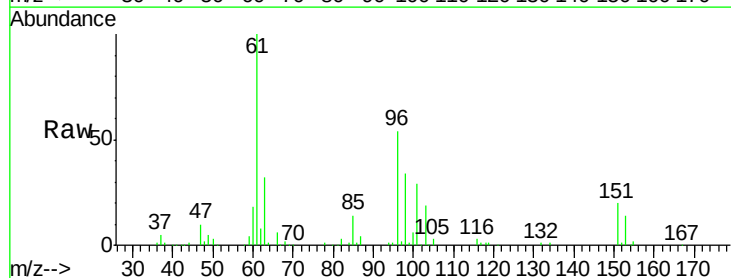
Manual Integrations
APPROVED

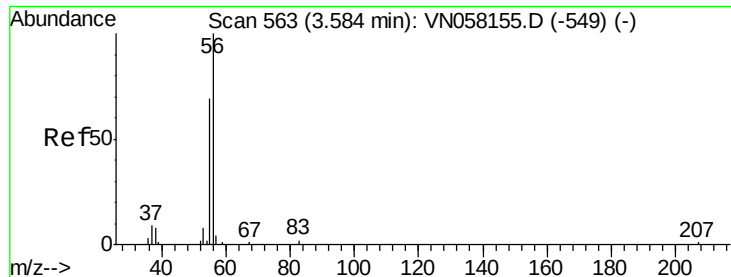
MMDadoda
9/26/2019 1:00:25 PM



#12
1,1-Dichloroethene
Concen: 46.911 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	126122		
61	185.9		149.5	224.3
98	62.8		52.4	78.6





#13

Acrolein

Concen: 190.087 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 20443

Ion Ratio Lower Upper

56 100

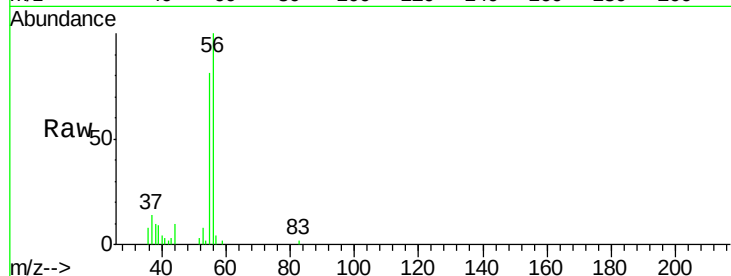
55 74.7 56.1 84.1

Manual Integrations

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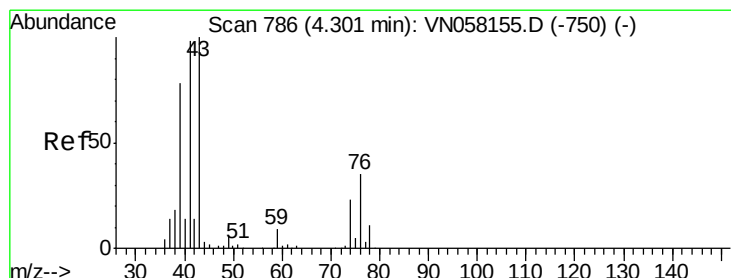
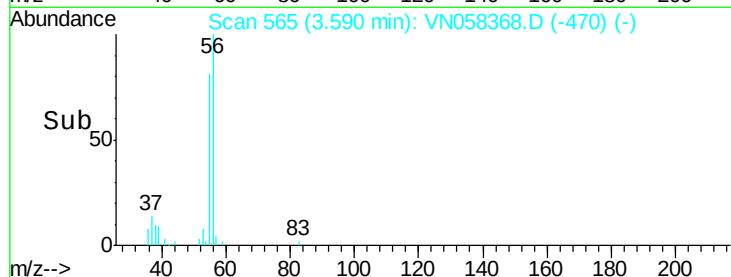
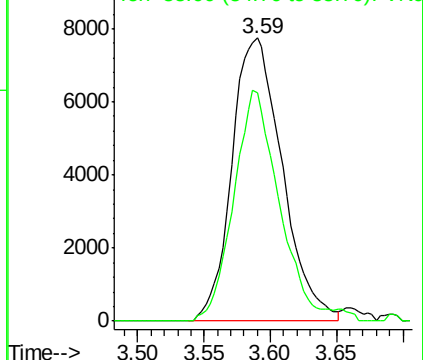
MMDadoda

9/26/2019 1:00:25 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 46.814 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

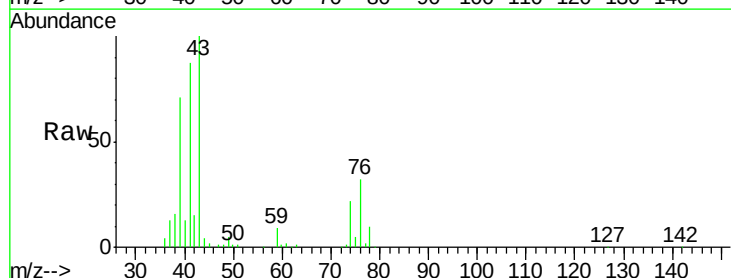
Tgt Ion: 41 Resp: 271256

Ion Ratio Lower Upper

41 100

39 74.2 59.1 88.7

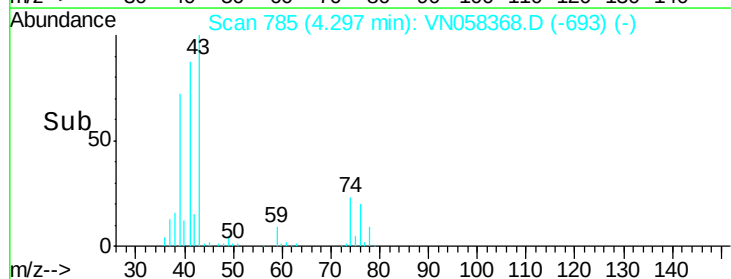
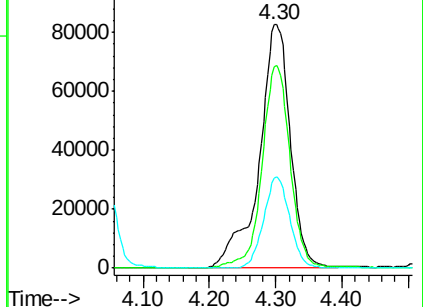
76 31.2 25.1 37.7

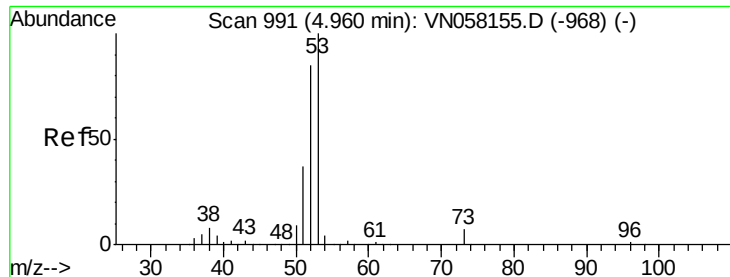


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 272.294 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

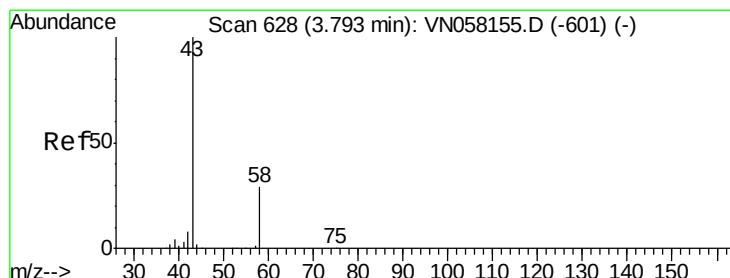
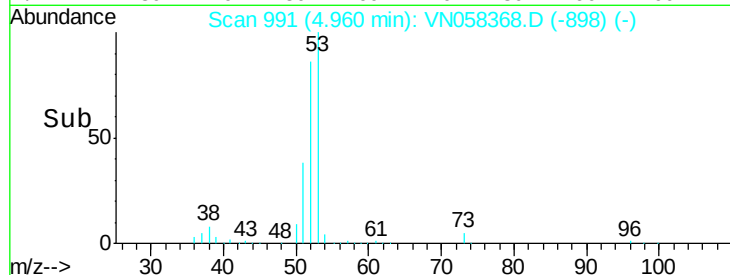
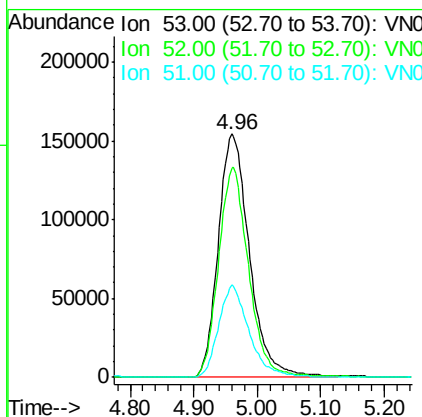
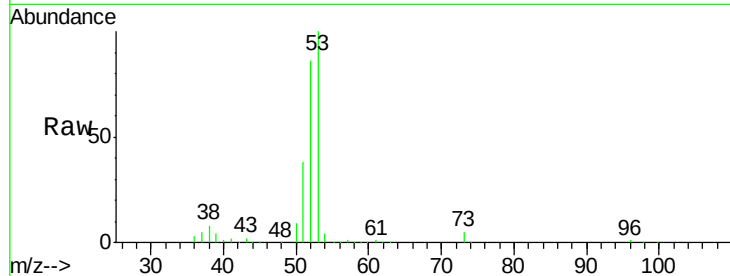
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	526469
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	100.0
51	37.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 257.564 ug/l

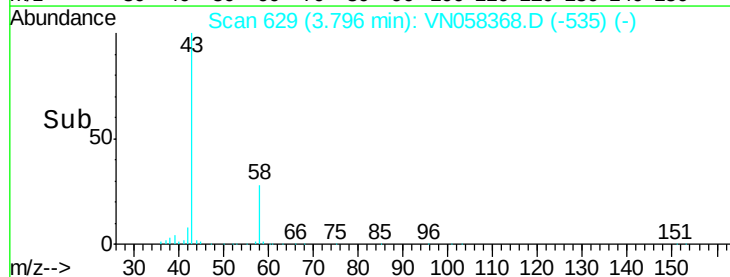
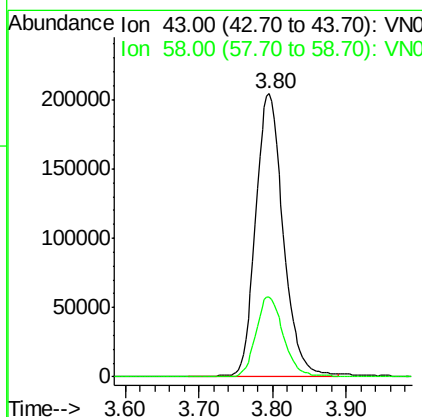
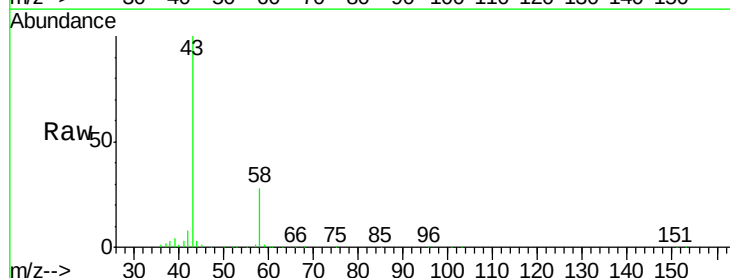
RT: 3.80 min Scan# 629

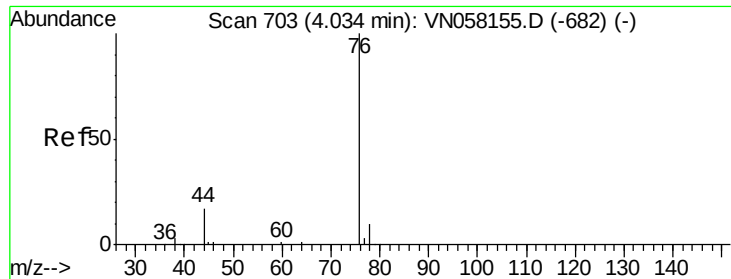
Delta R.T. 0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Tgt Ion:	43	Resp:	533370
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.4	35.2





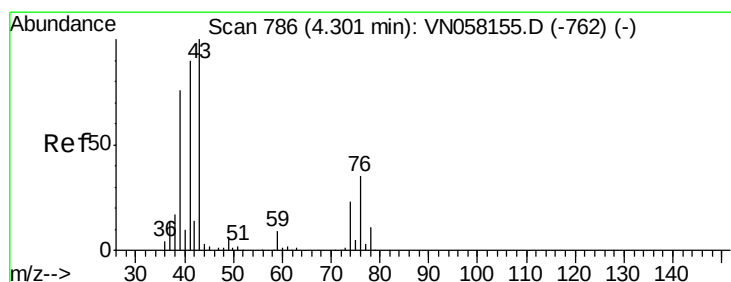
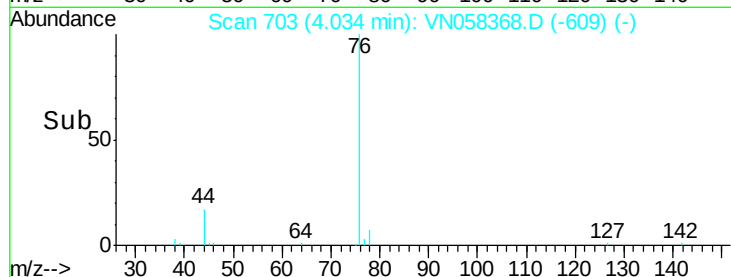
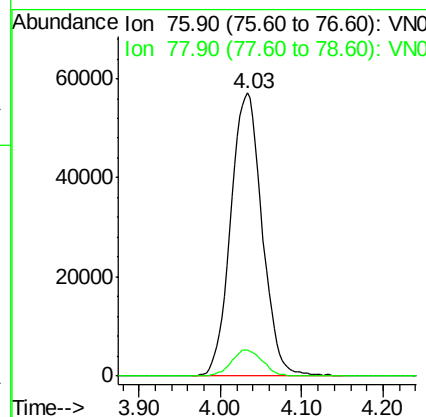
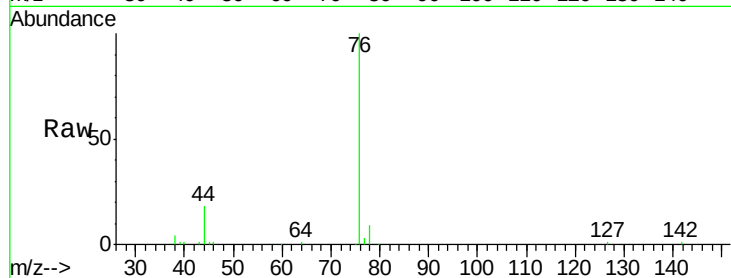
#17
Carbon Disulfide
Concen: 40.865 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

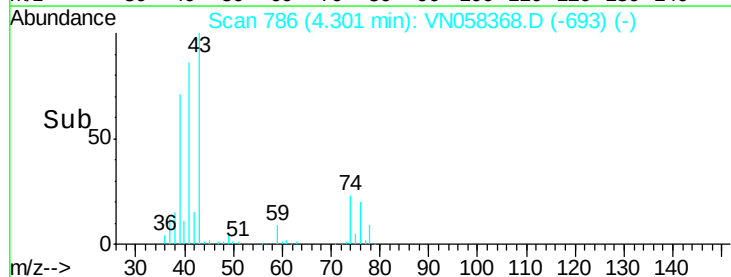
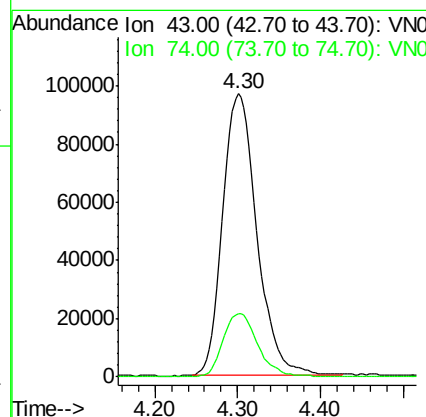
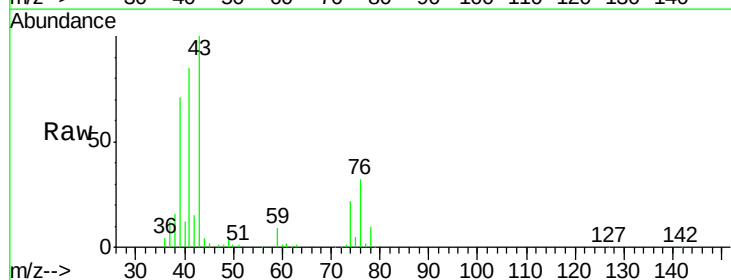
Manual Integrations
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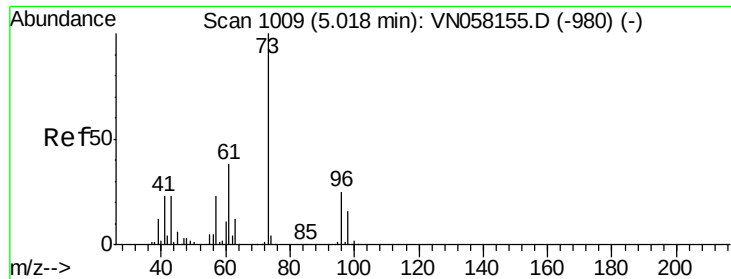
MMDadoda
9/26/2019 1:00:25 PM



#18
Methyl Acetate
Concen: 51.070 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.0	27.0





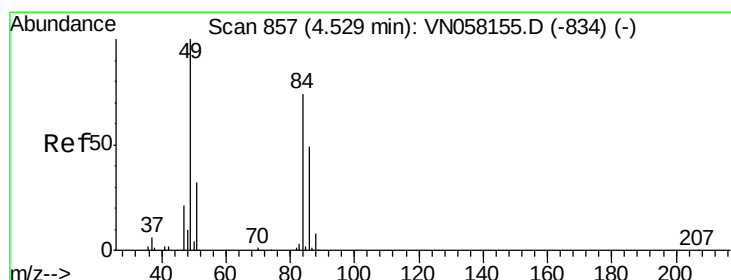
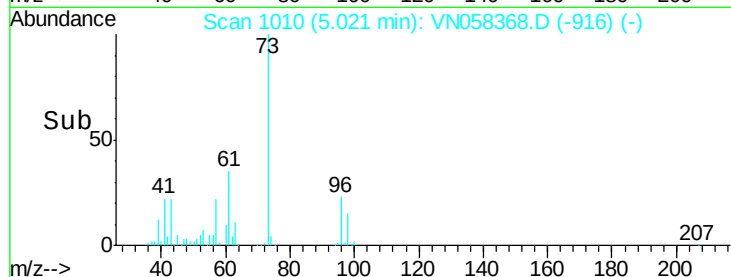
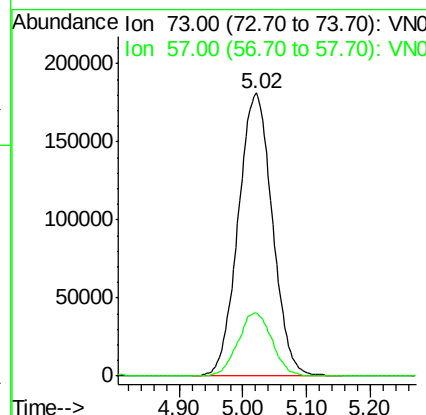
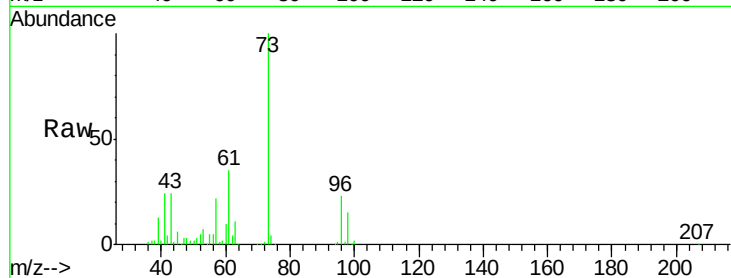
#19
Methyl tert-butyl Ether
Concen: 50.584 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 675586
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1

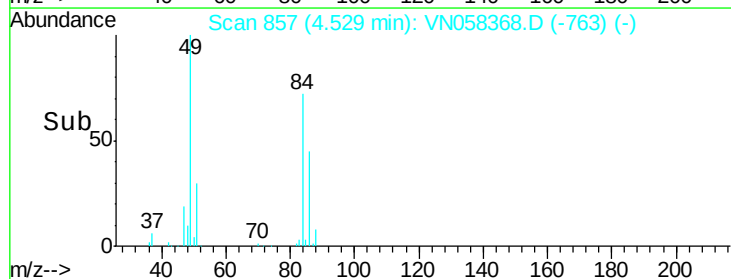
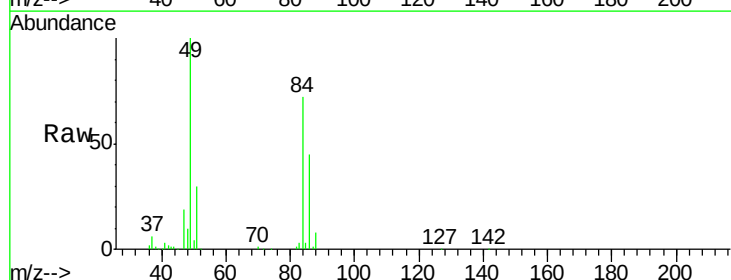
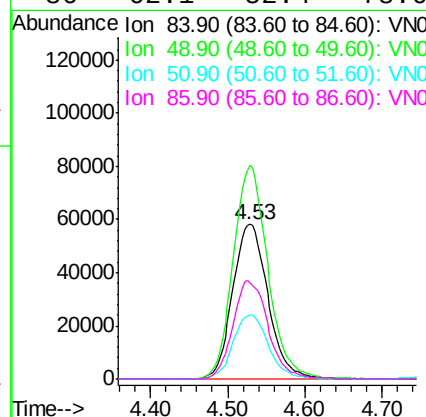
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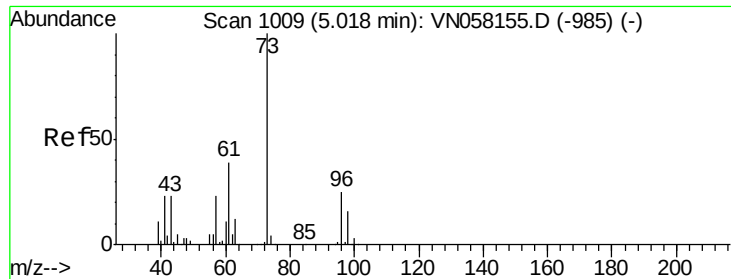
MMDadoda
9/26/2019 1:00:25 PM



#20
Methylene Chloride
Concen: 50.910 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion: 84 Resp: 184565
Ion Ratio Lower Upper
84 100
49 138.4 107.5 161.3
51 41.6 33.9 50.9
86 62.1 52.4 78.6





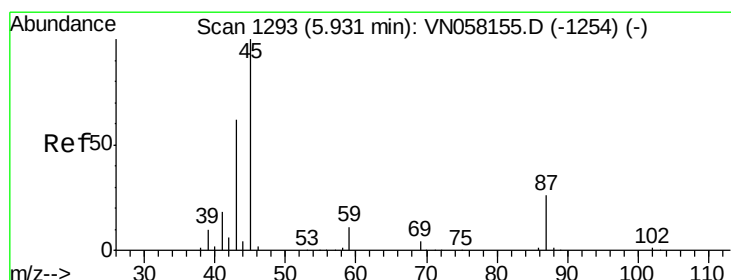
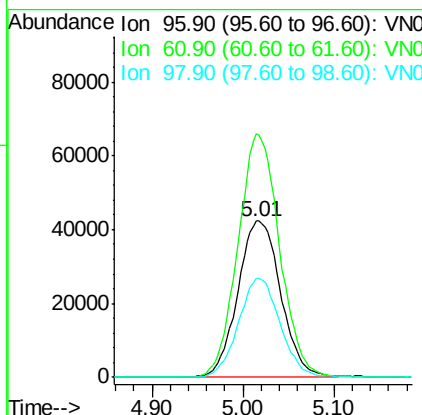
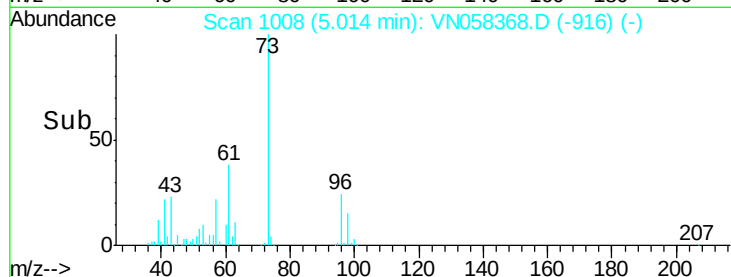
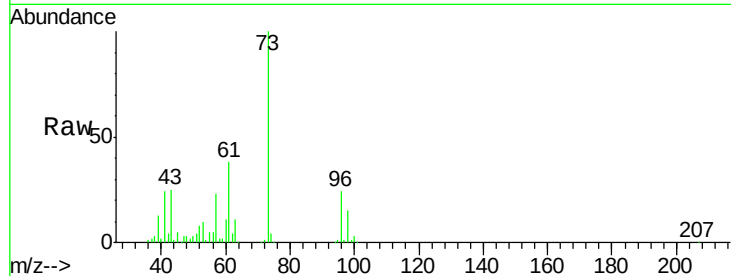
#21
trans-1,2-Dichloroethene
Concen: 47.359 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.6	122.2	183.4
98	62.9	49.9	74.9

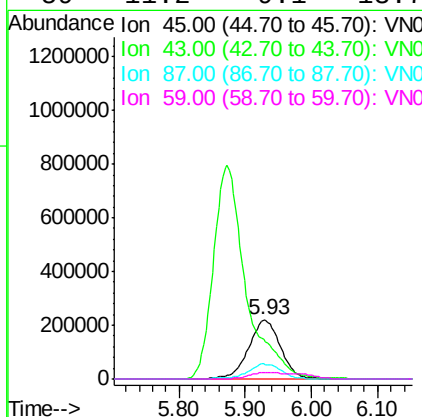
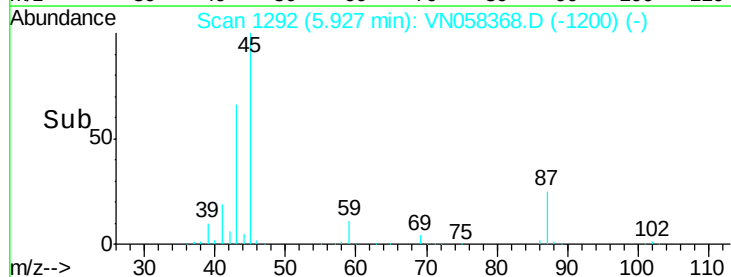
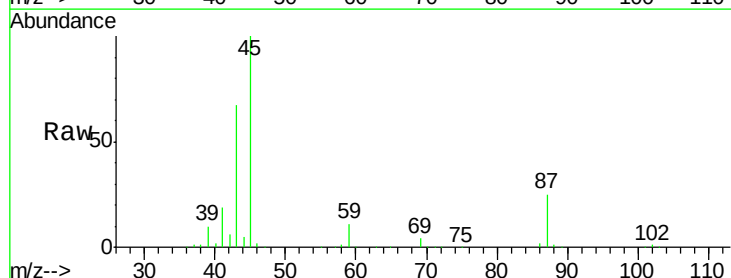
Manual Integrations
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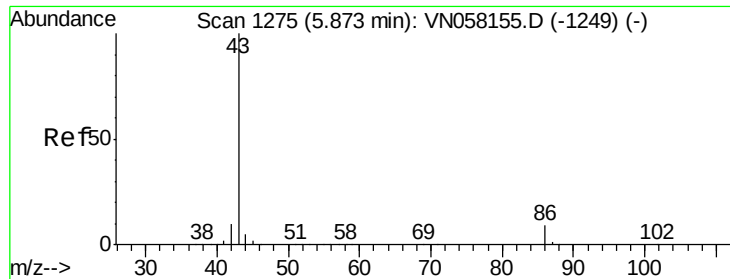
MMDadoda
9/26/2019 1:00:25 PM



#22
Diisopropyl ether
Concen: 50.298 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.9	49.7	74.5
87	25.0	20.7	31.1
59	11.2	9.1	13.7





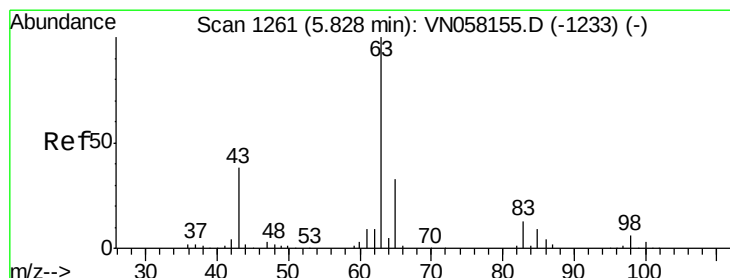
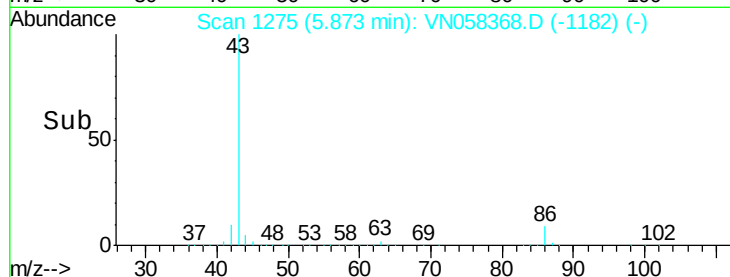
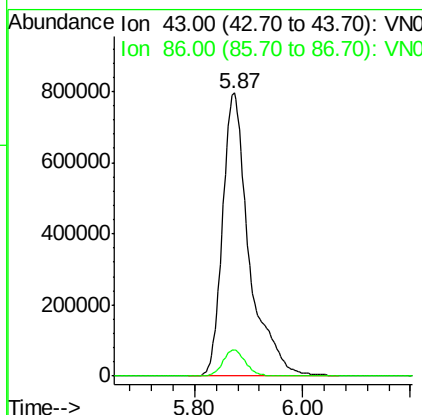
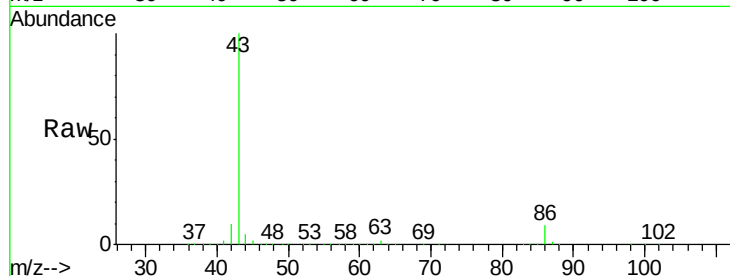
#23
 Vinyl Acetate
 Concen: 270.035 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2719641
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.2

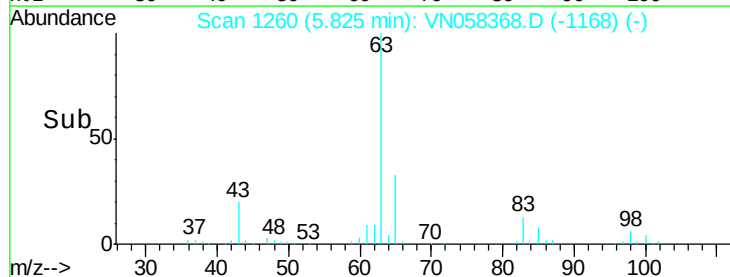
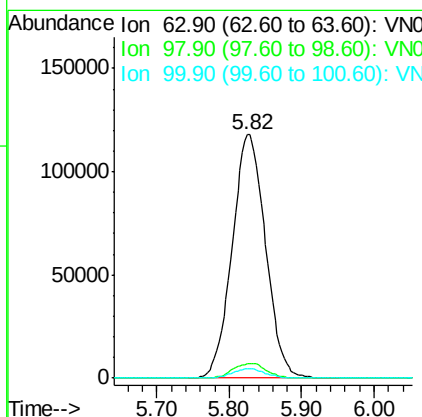
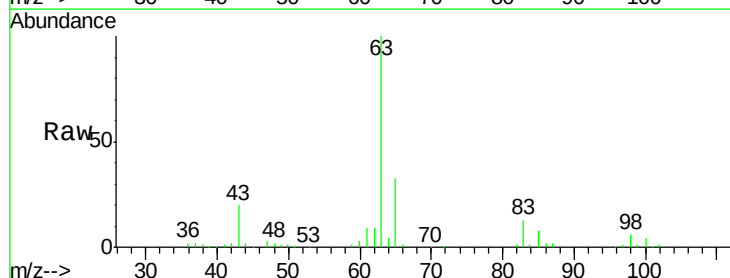
Manual Integrations
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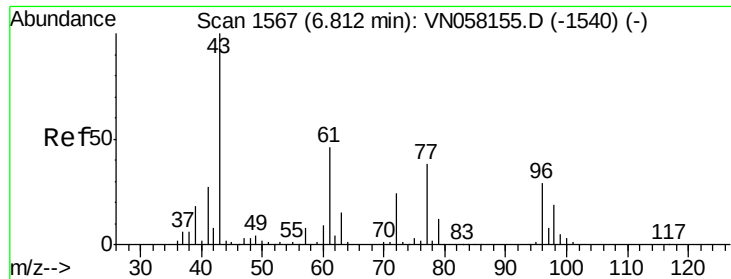
MMDadoda
 9/26/2019 1:00:25 PM



#24
 1,1-Dichloroethane
 Concen: 47.997 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion: 63 Resp: 377050
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.6
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 271.949 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 767237

Ion Ratio Lower Upper

43 100

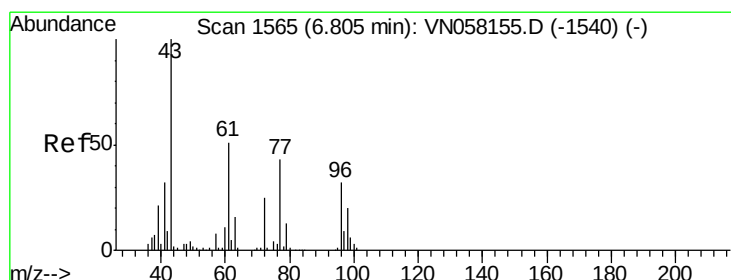
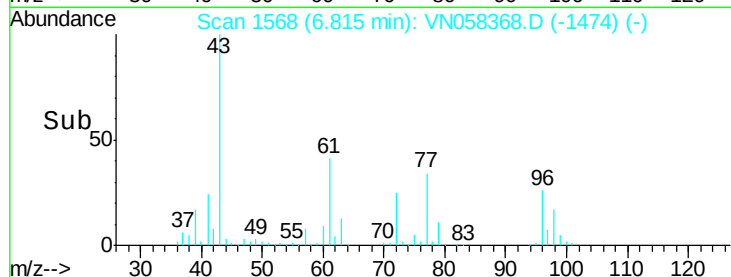
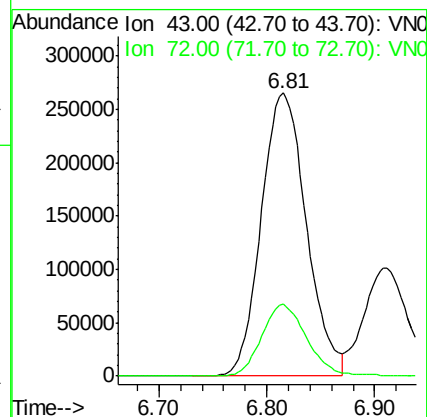
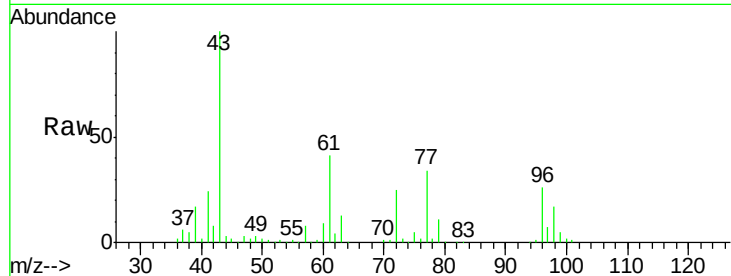
72 25.4 19.5 29.3

Manual Integrations

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MMDadoda

9/26/2019 1:00:25 PM



#26

2,2-Dichloropropane

Concen: 48.092 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058368.D

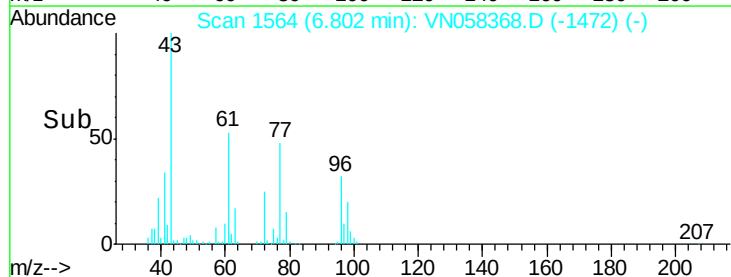
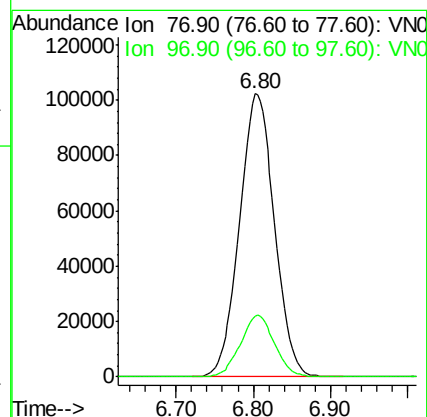
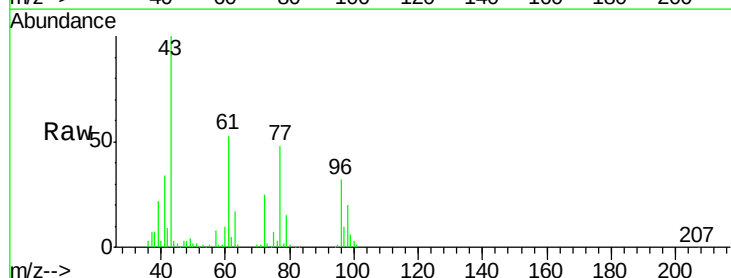
Acq: 25 Sep 2019 15:33

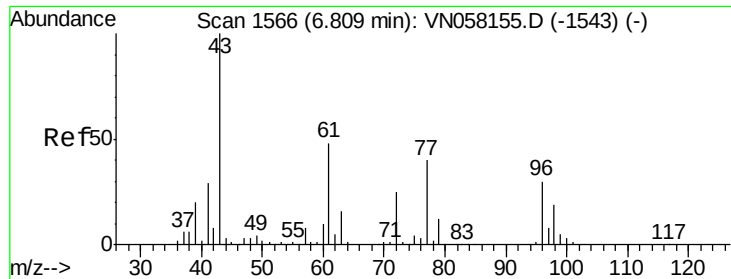
Tgt Ion: 77 Resp: 320508

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6





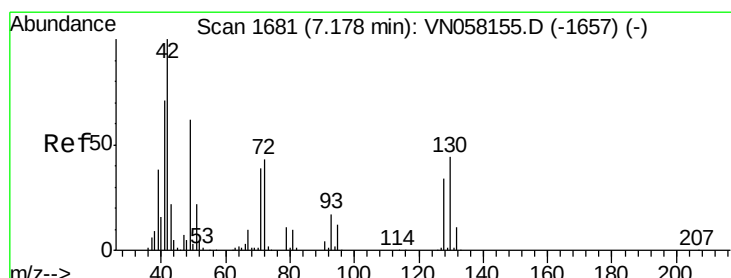
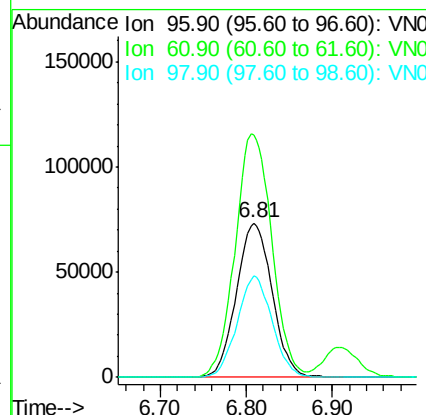
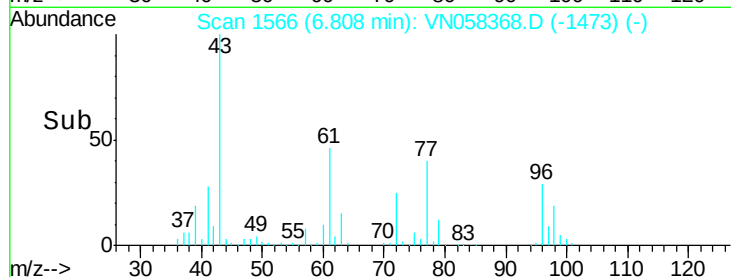
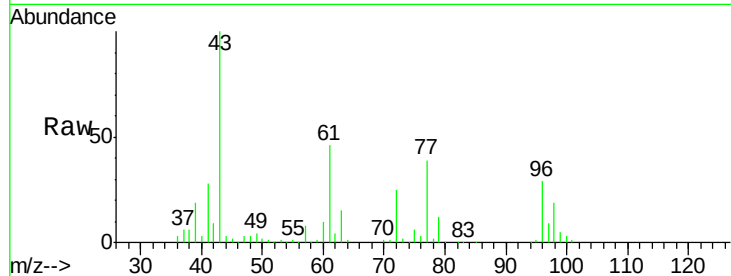
#27
 cis-1,2-Dichloroethene
 Concen: 47.786 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	212257		
61	161.2	0.0	319.0	
98	64.2	0.0	126.6	

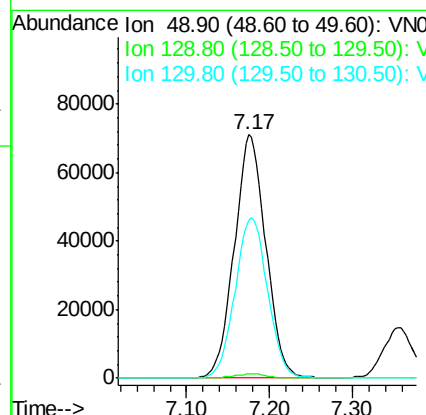
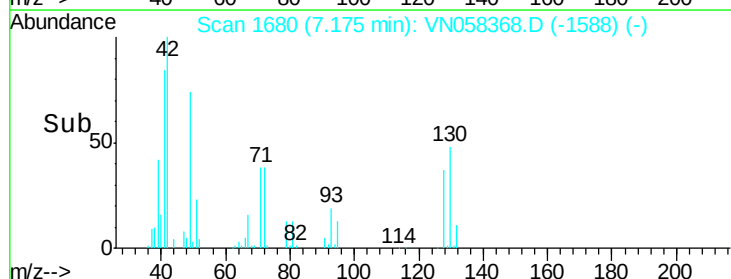
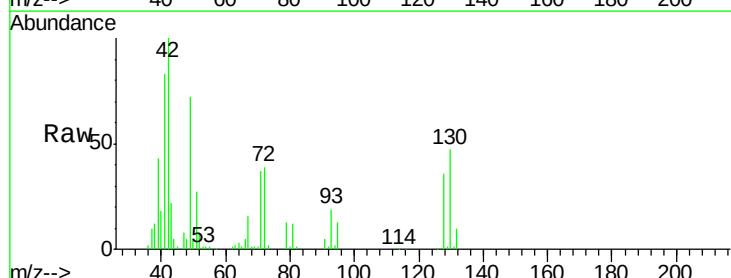
Manual Integrations
 APPROVED

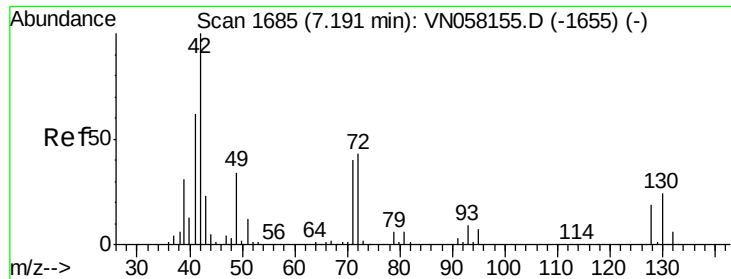
MMDadoda
 9/26/2019 1:00:25 PM



#28
 Bromochloromethane
 Concen: 50.638 ug/l
 RT: 7.17 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	188182		
129	1.7	0.0	1.8	
130	67.9	55.4	83.2	





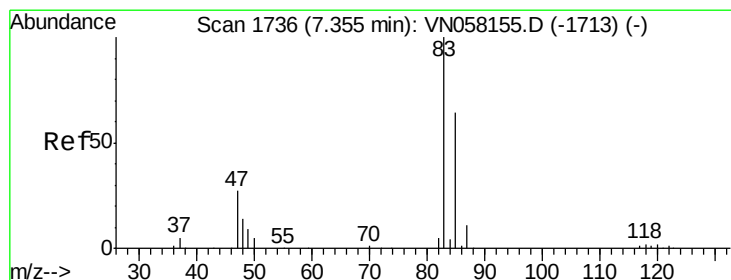
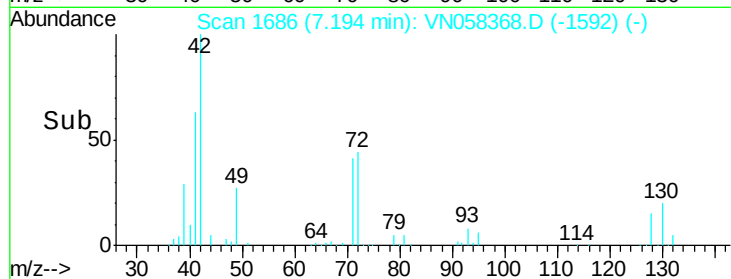
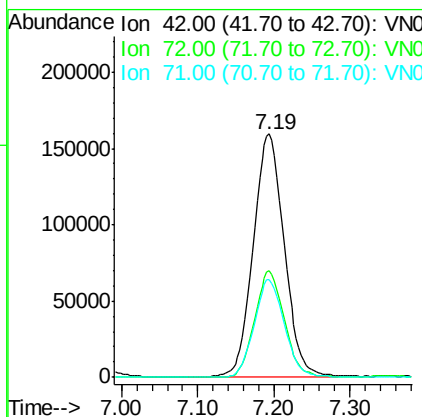
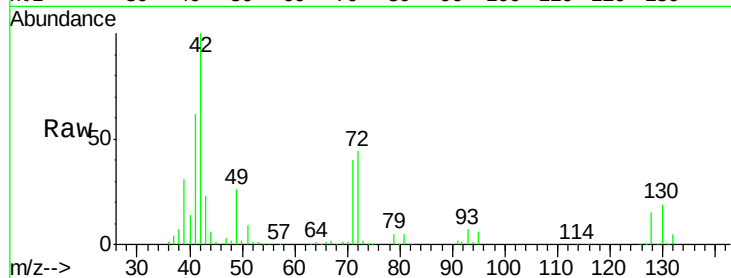
#29
Tetrahydrofuran
Concen: 260.829 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.8	50.6
71	39.1	31.4	47.0

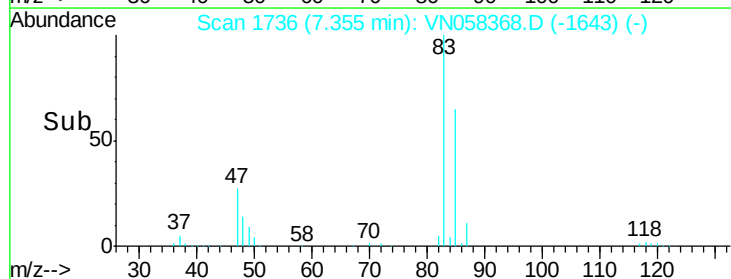
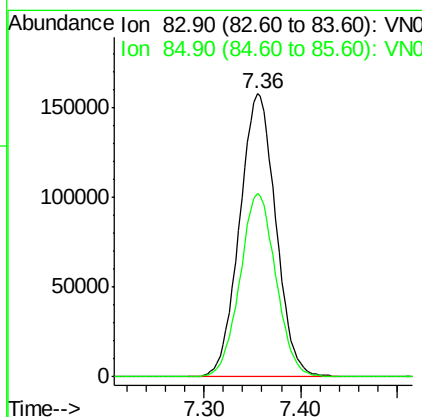
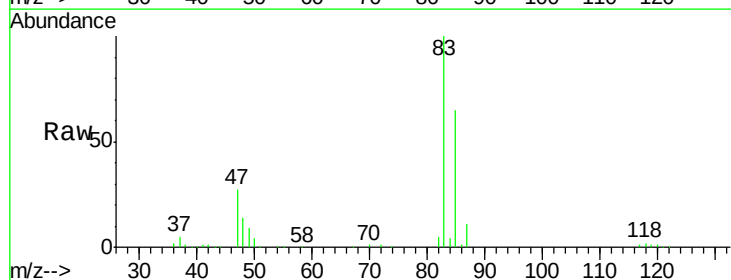
Manual Integrations
APPROVED

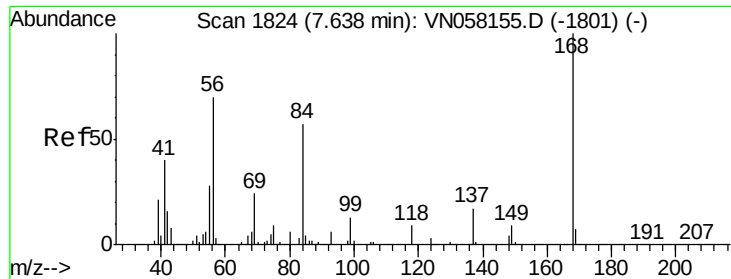
MMDadoda
9/26/2019 1:00:25 PM



#30
Chloroform
Concen: 48.561 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2





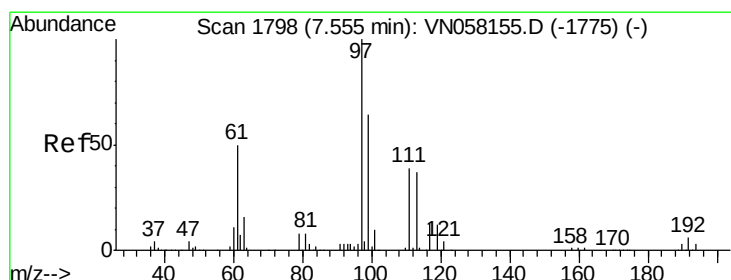
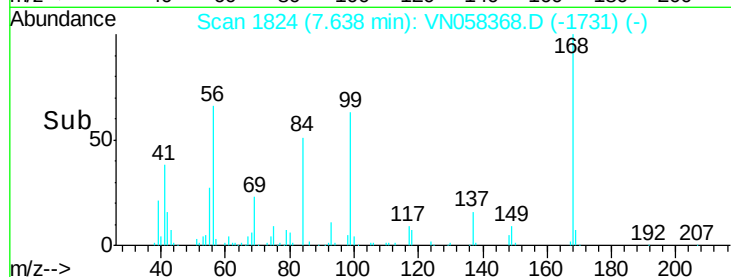
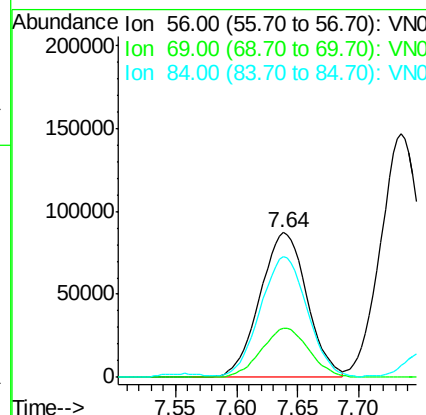
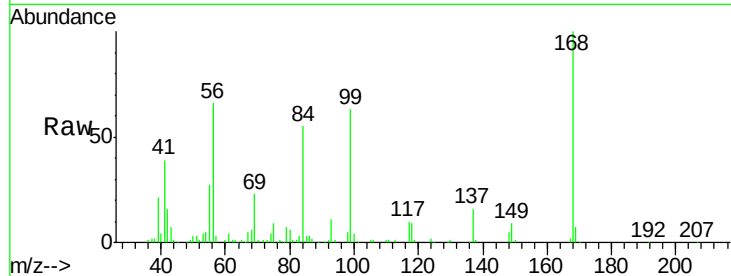
#31
Cyclohexane
Concen: 45.892 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		234043		
69	34.3	27.3	40.9		
84	81.4	65.0	97.4		

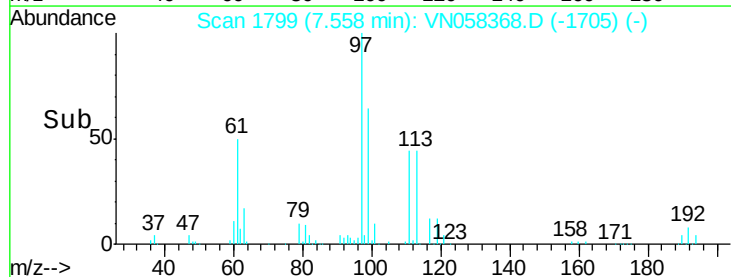
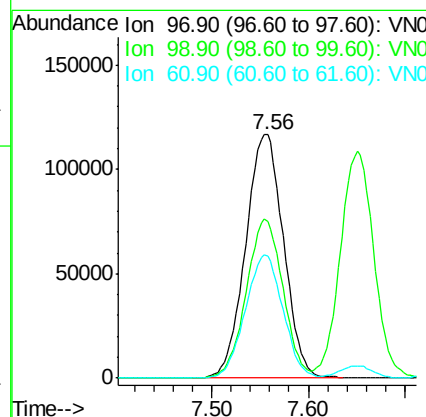
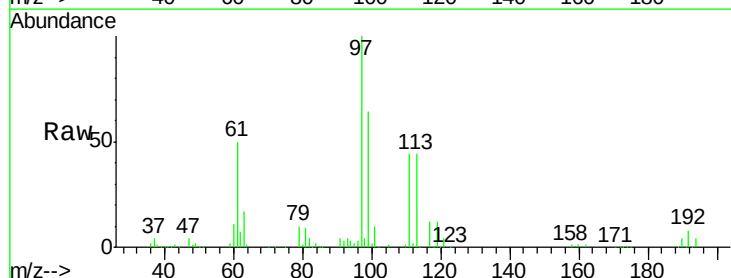
Manual Integrations
APPROVED

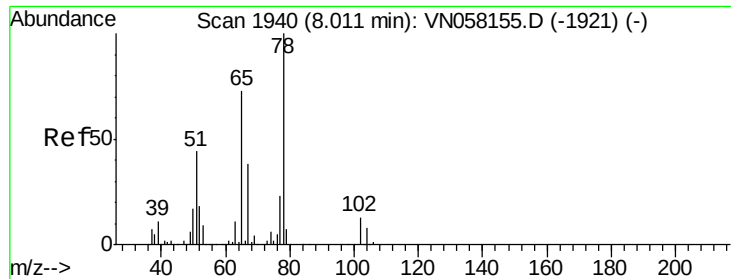
MMDadoda
9/26/2019 1:00:25 PM



#32
1,1,1-Trichloroethane
Concen: 49.391 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		317947		
99	63.2	50.9	76.3		
61	50.1	39.2	58.8		





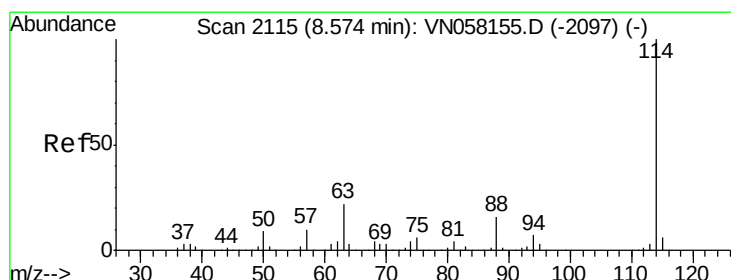
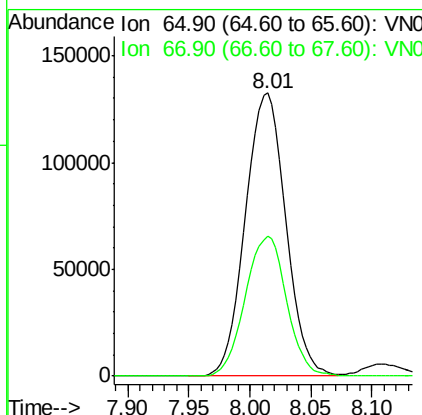
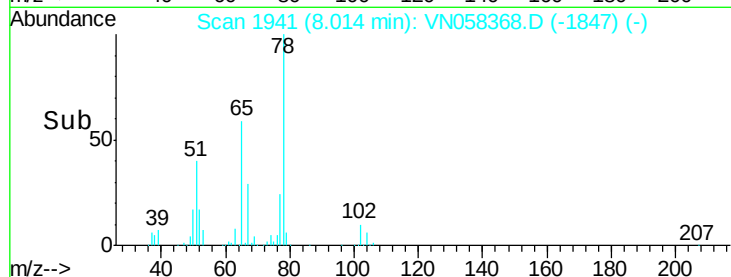
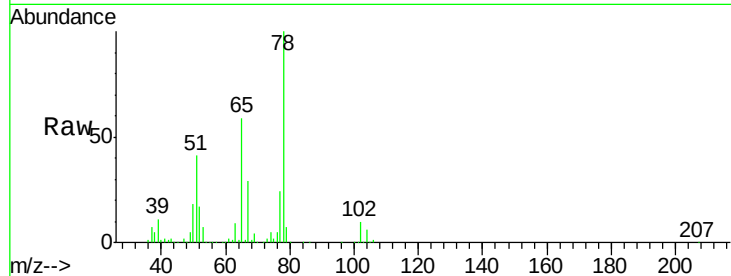
#33
 1,2-Dichloroethane-d4
 Concen: 49.914 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	304511		
67	50.6	0.0	103.4	

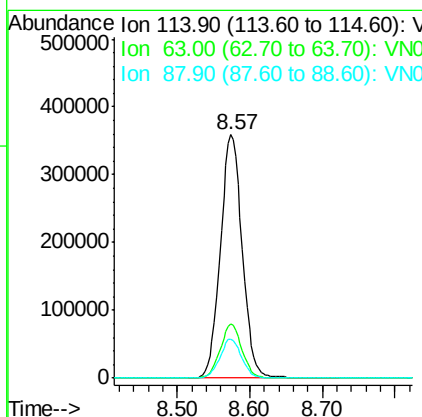
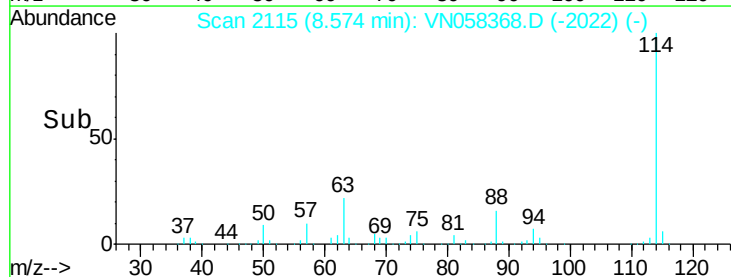
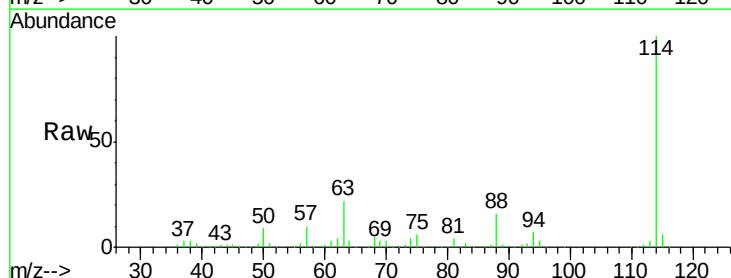
Manual Integrations
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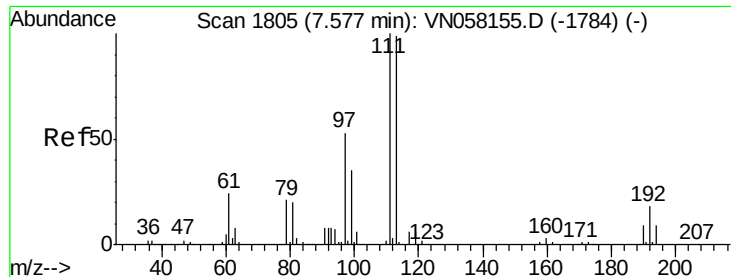
MMDadoda
 9/26/2019 1:00:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	746868		
63	22.3	0.0	44.2	
88	16.2	0.0	31.6	





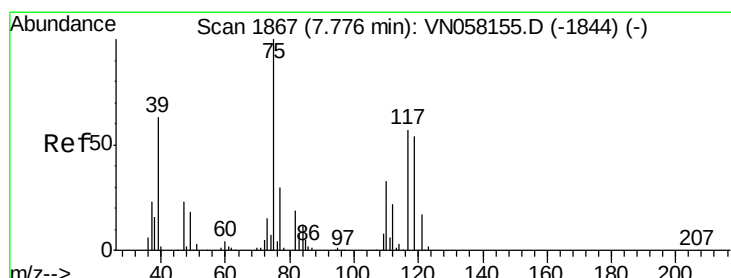
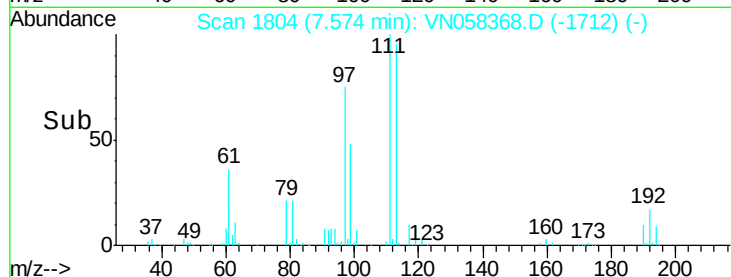
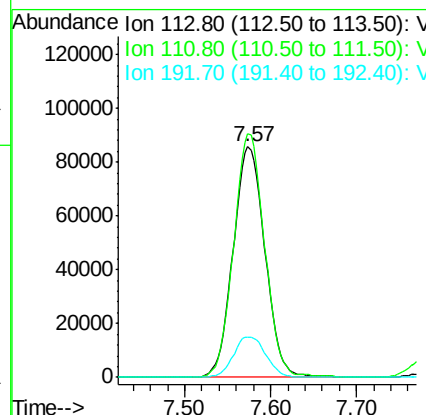
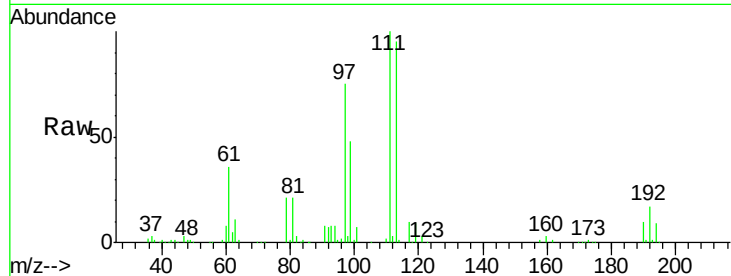
#35
 Dibromofluoromethane
 Concen: 48.550 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	220432		
111	102.8	81.8	122.6	
192	17.9	14.5	21.7	

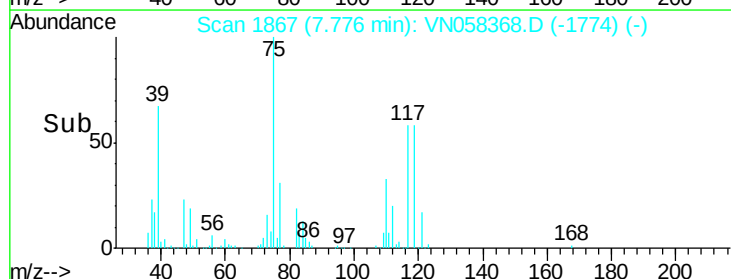
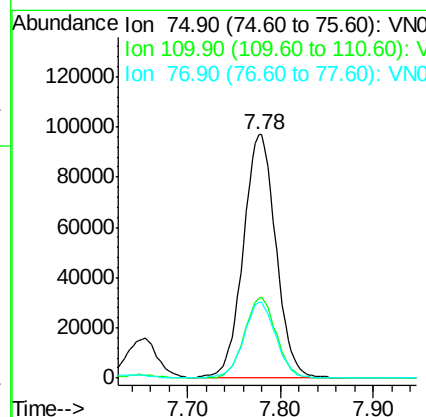
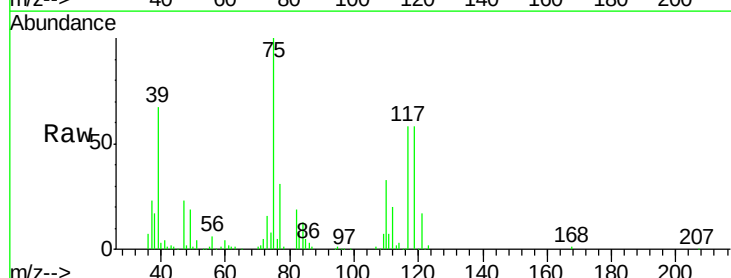
Manual Integrations
 APPROVED

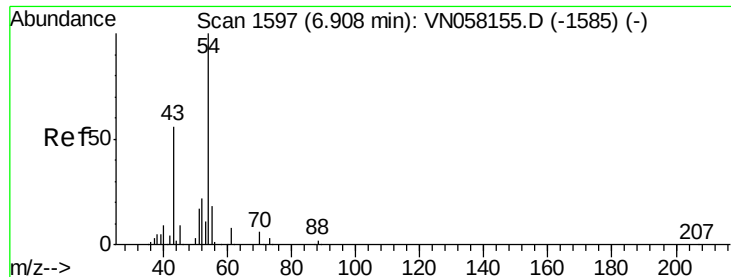
MMDadoda
 9/26/2019 1:00:25 PM



#36
 1,1-Dichloropropene
 Concen: 43.622 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	234950		
110	32.6	16.6	49.7	
77	31.0	24.3	36.5	





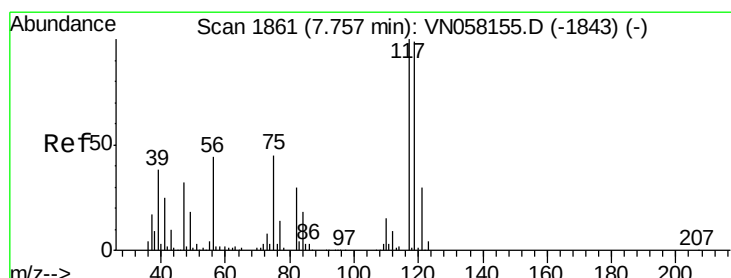
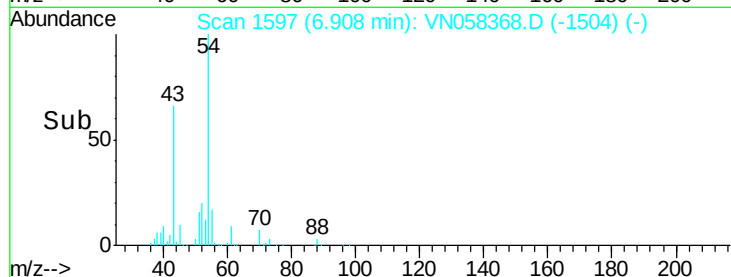
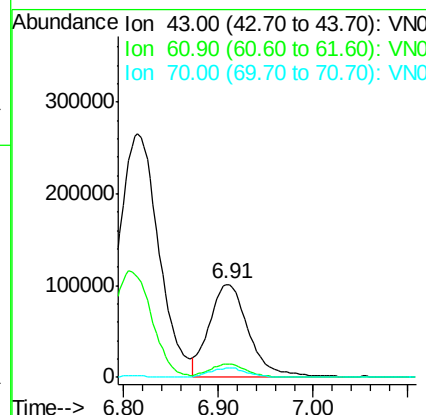
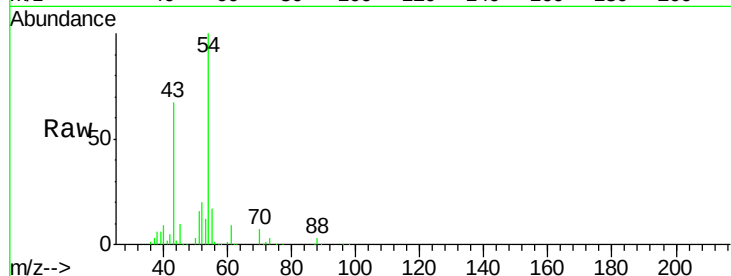
#37
Ethyl Acetate
Concen: 51.604 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	288441		
61	14.1	10.7	16.1	
70	9.3	7.6	11.4	

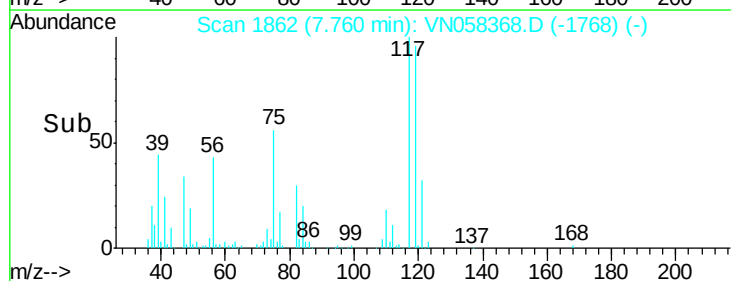
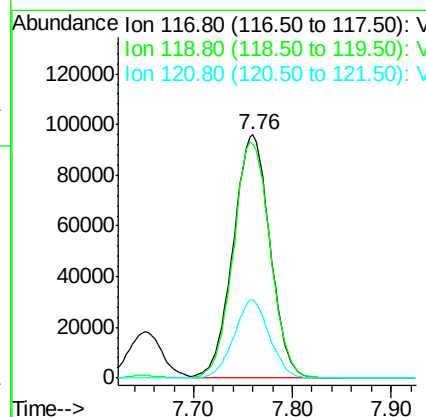
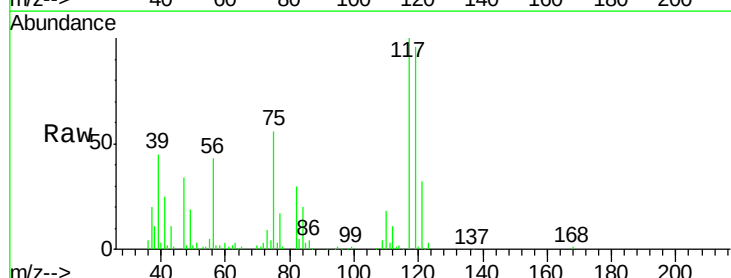
Manual Integrations
APPROVED

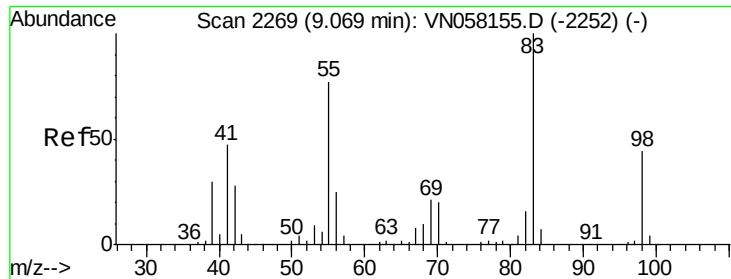
MMDadoda
9/26/2019 1:00:25 PM



#38
Carbon Tetrachloride
Concen: 46.086 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	249519		
119	96.5	78.6	117.8	
121	32.0	24.1	36.1	





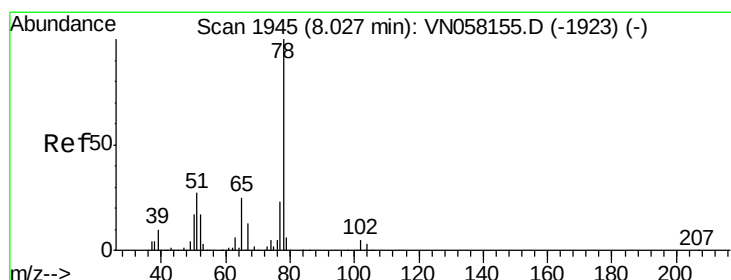
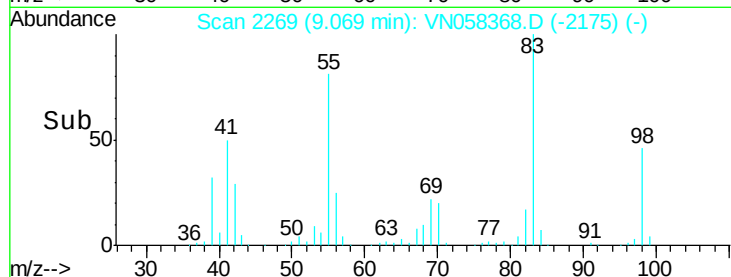
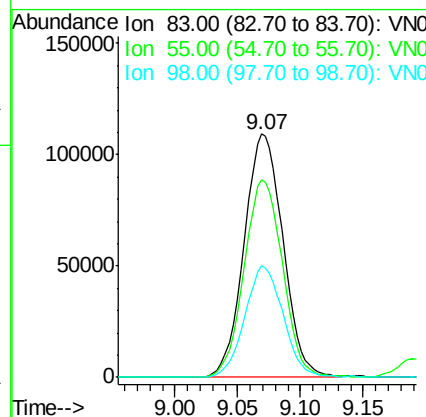
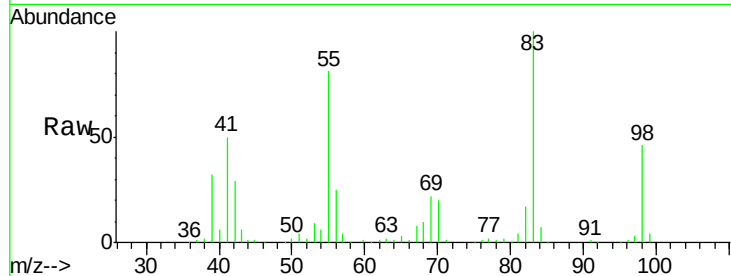
#39
Methylvlcyclohexane
Concen: 45.262 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.1	61.9	92.9	
98	45.6	35.4	53.2	

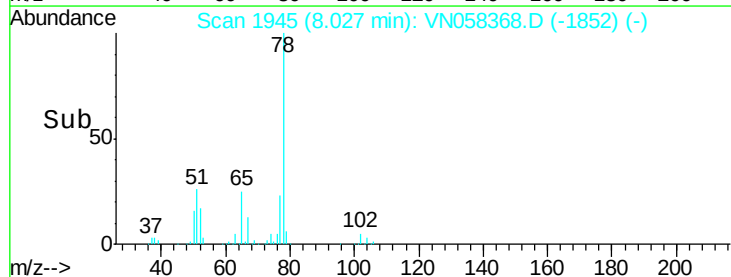
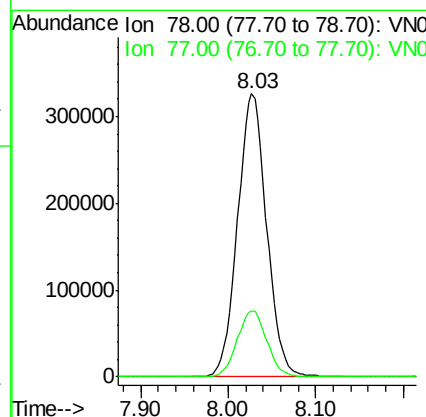
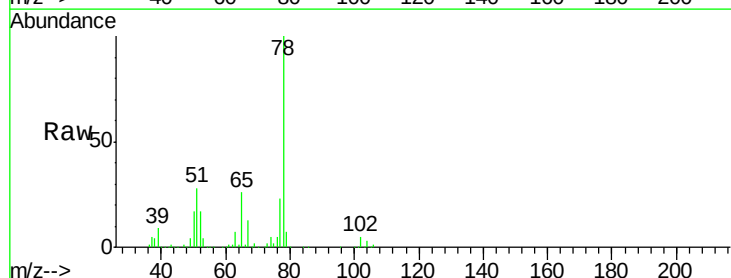
Manual Integrations
APPROVED

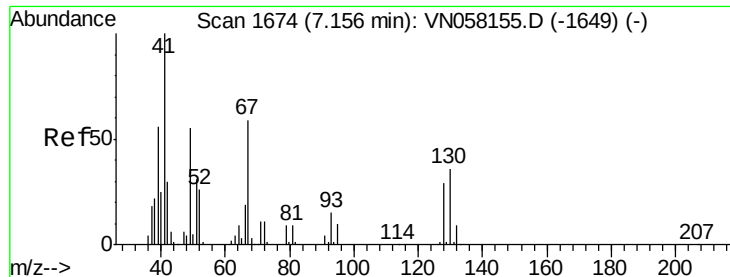
MMDadoda
9/26/2019 1:00:25 PM



#40
Benzene
Concen: 45.702 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.8	28.2	





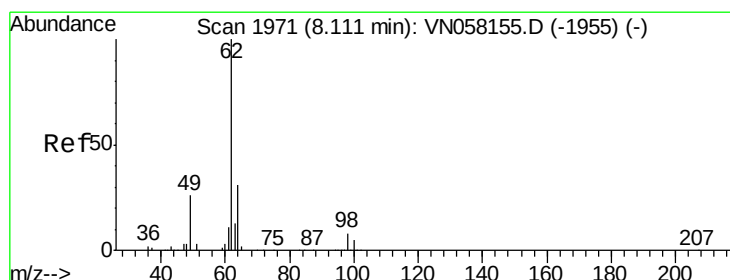
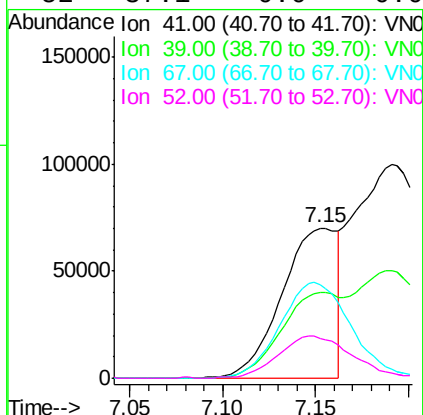
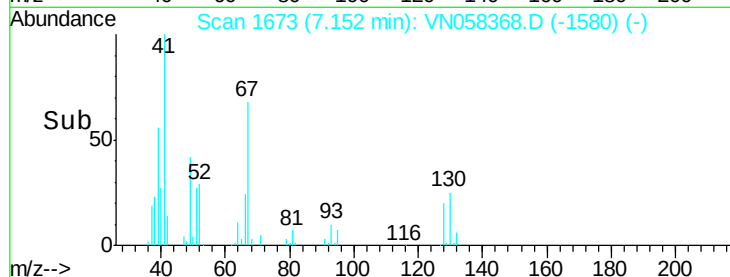
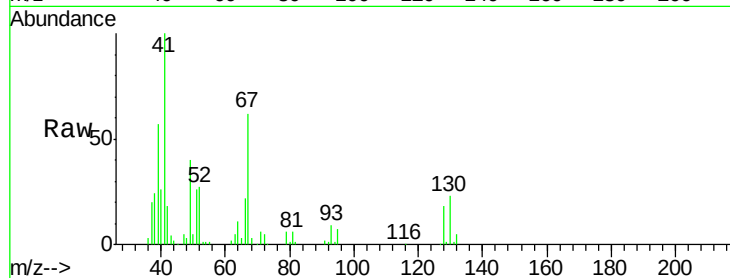
#41
Methacrylonitrile
Concen: 52.039 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	146641
Ion Ratio	Lower	Upper	
41	100		
39	61.4	0.0	0.0#
67	82.6	0.0	0.0#
52	37.1	0.0	0.0#

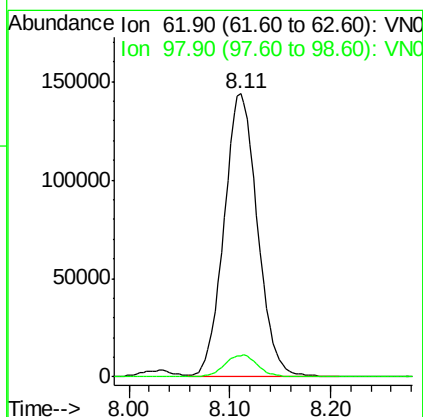
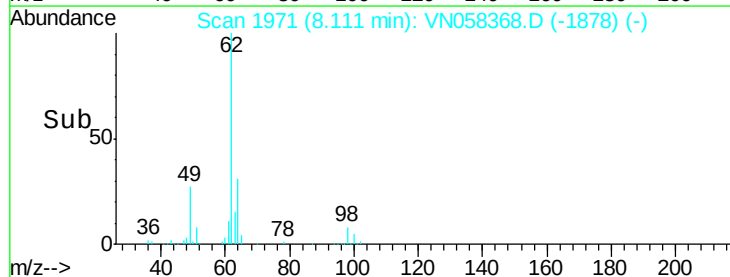
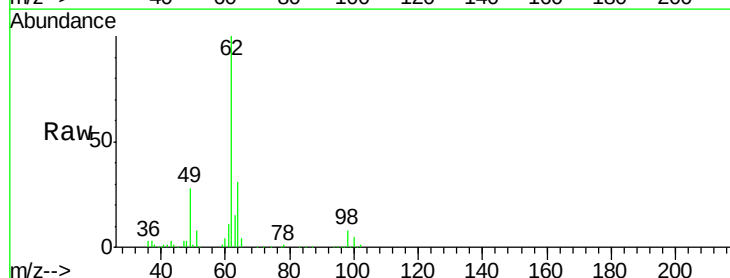
Manual Integrations
APPROVED

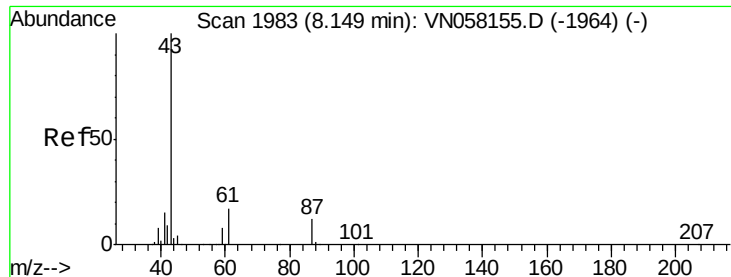
MMDadoda
9/26/2019 1:00:25 PM



#42
1,2-Dichloroethane
Concen: 48.007 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	62	Resp	331387
Ion Ratio	Lower	Upper	
62	100		
98	7.6	0.0	15.6





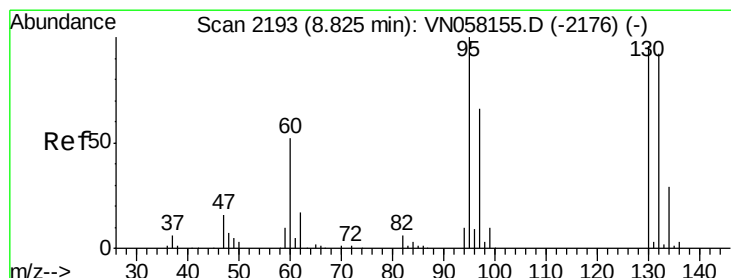
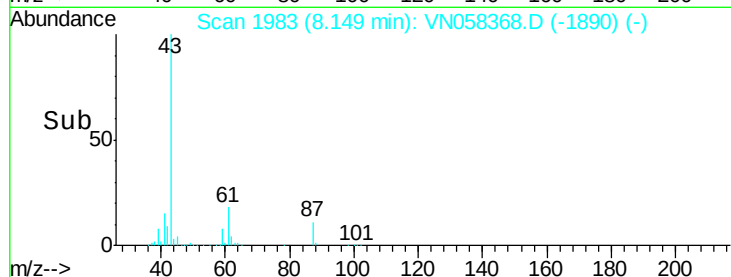
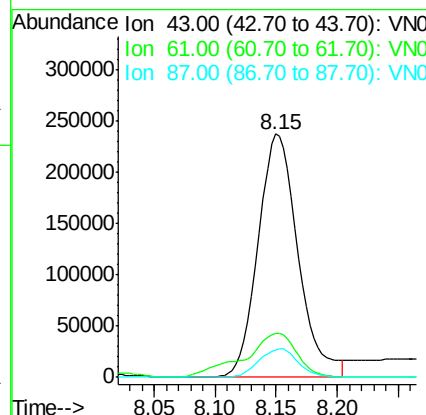
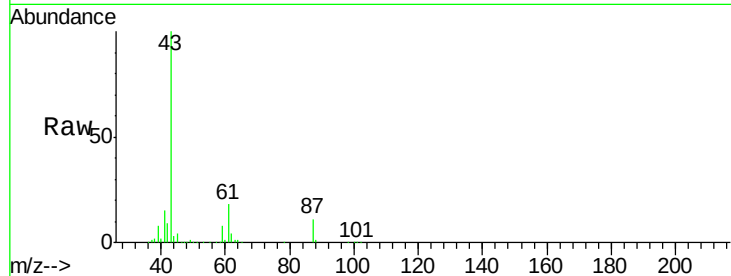
#43
Isopropyl Acetate
Concen: 51.275 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	535257
Ion	Ratio	Lower	Upper
43	100		
61	23.9	19.7	29.5
87	11.7	9.4	14.2

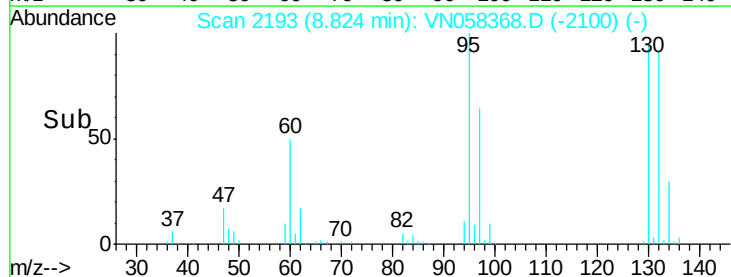
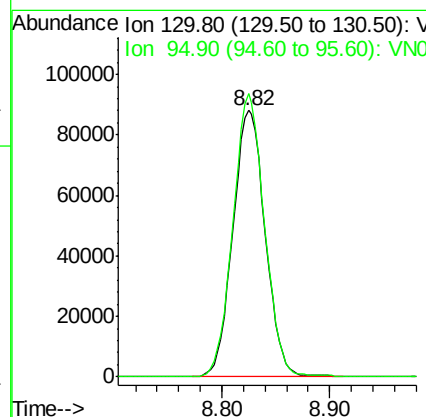
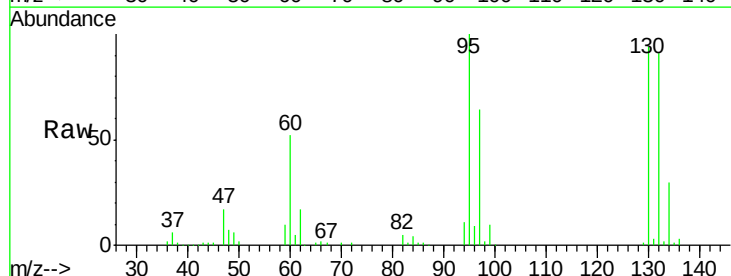
Manual Integrations
APPROVED

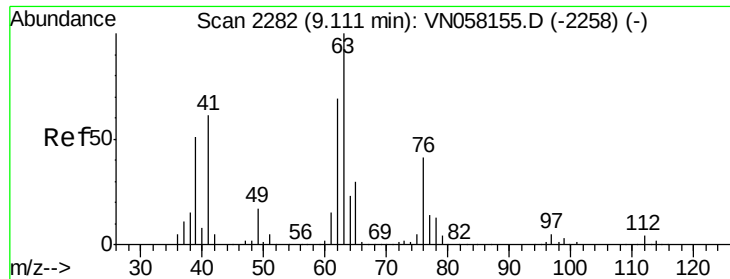
MMDadoda
9/26/2019 1:00:25 PM



#44
Trichloroethene
Concen: 45.734 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion:	130	Resp:	184112
Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	207.8





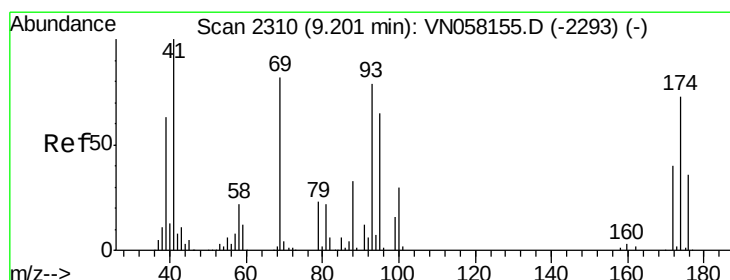
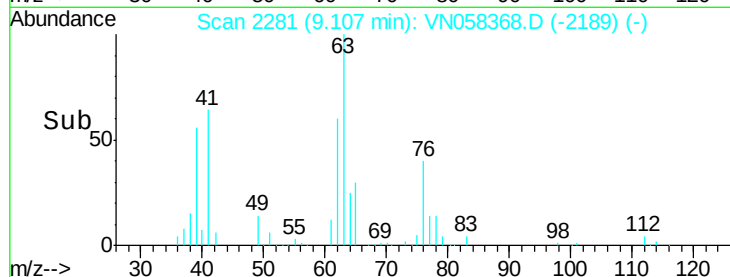
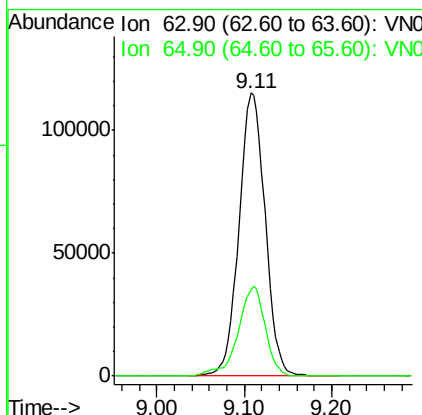
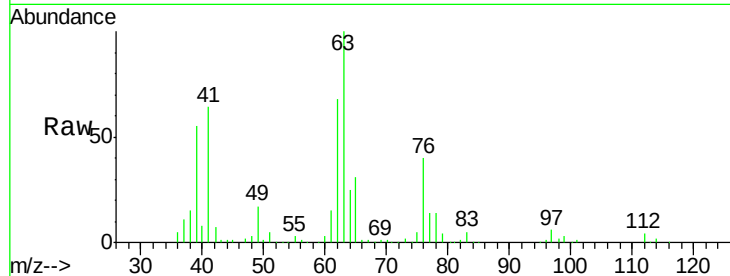
#45
 1,2-Dichloropropane
 Concen: 48.717 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.8	35.6

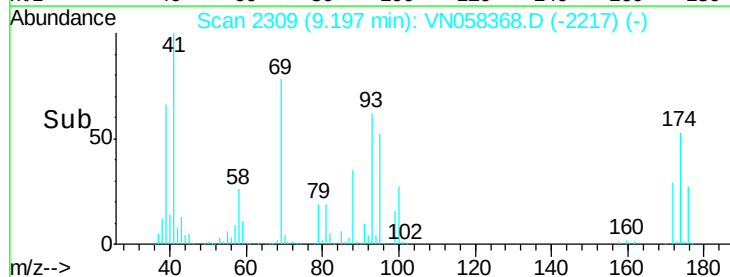
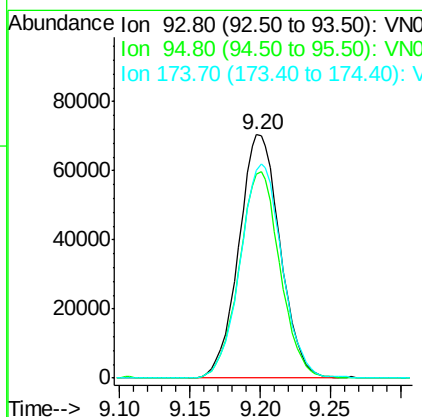
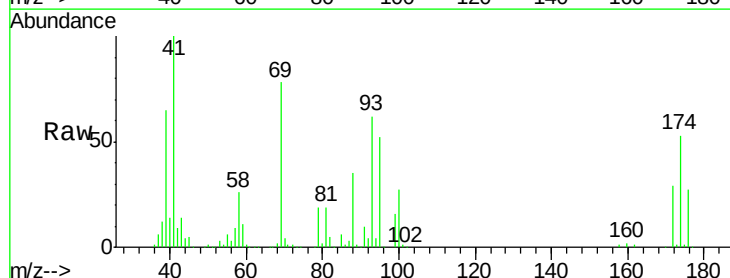
Manual Integrations
 APPROVED

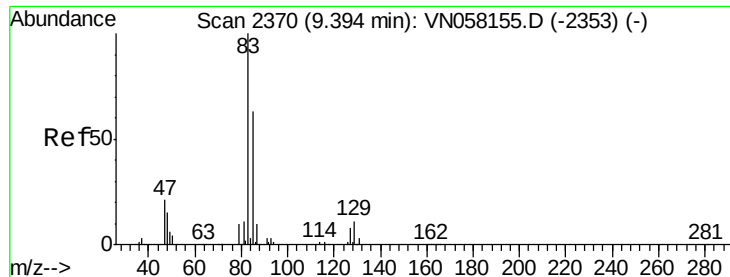
MMDadoda
 9/26/2019 1:00:25 PM



#46
 Dibromomethane
 Concen: 48.309 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.8	100.2
174	88.9	73.8	110.8





#47

Bromodichloromethane

Concen: 51.549 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

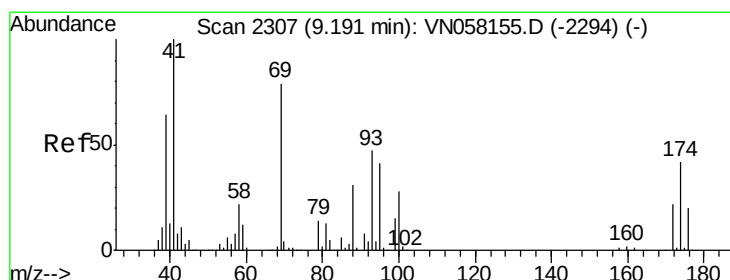
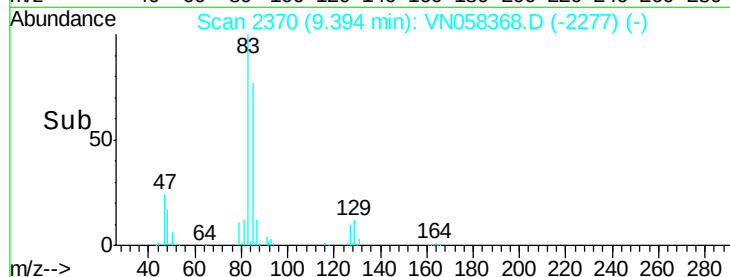
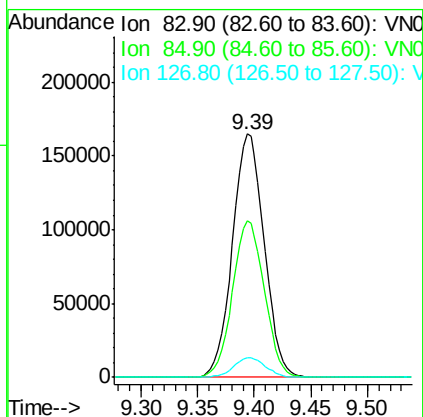
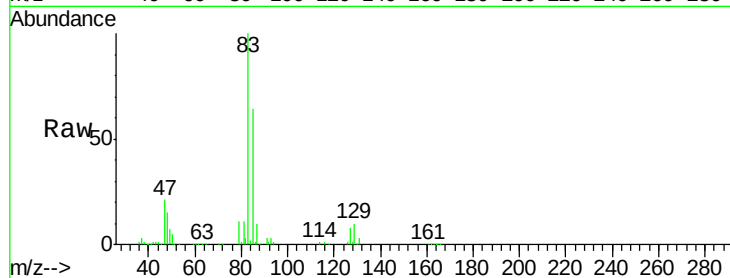
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	322570
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.1	75.1
127	8.0	6.4	9.6

Manual Integrations
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MMDadoda
9/26/2019 1:00:25 PM



#48

Methyl methacrylate

Concen: 52.204 ug/l

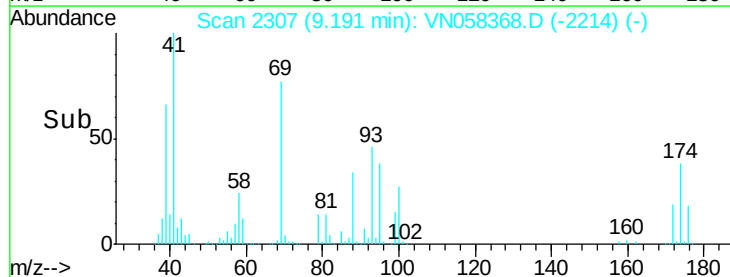
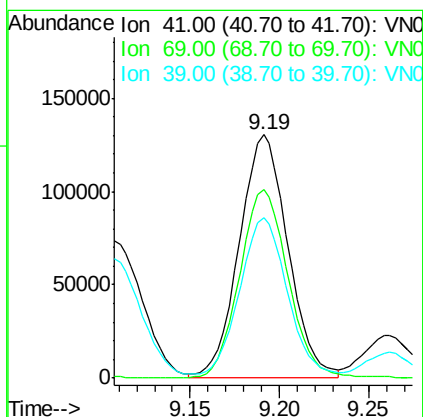
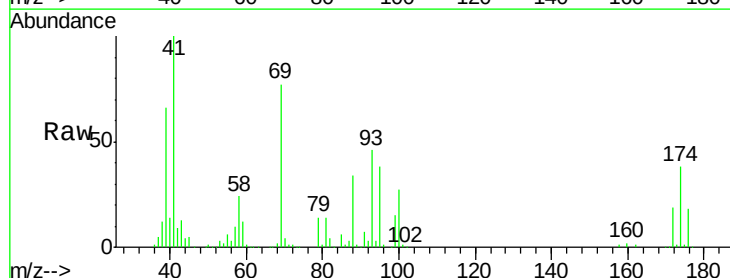
RT: 9.19 min Scan# 2307

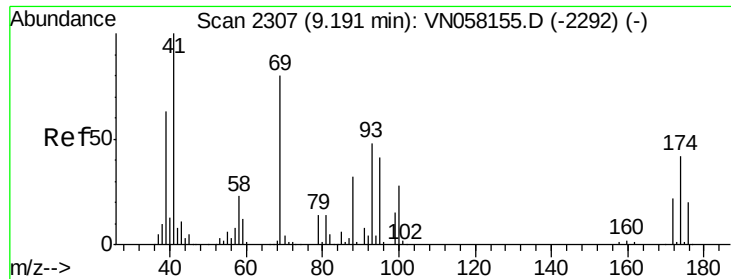
Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Tgt Ion:	41	Resp:	247433
Ion Ratio	Lower	Upper	
41	100		
69	78.3	62.5	93.7
39	64.9	52.3	78.5





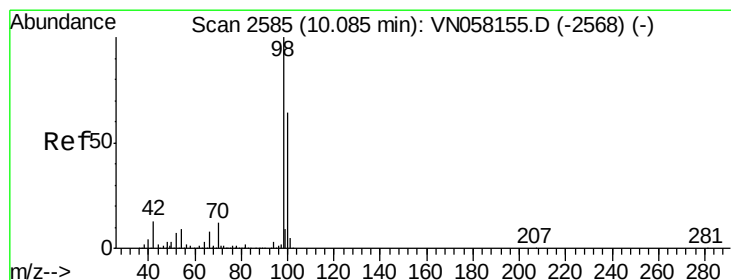
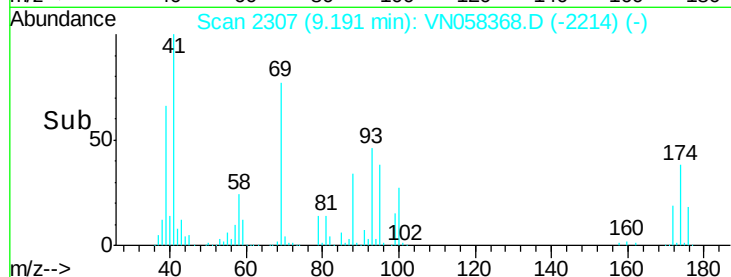
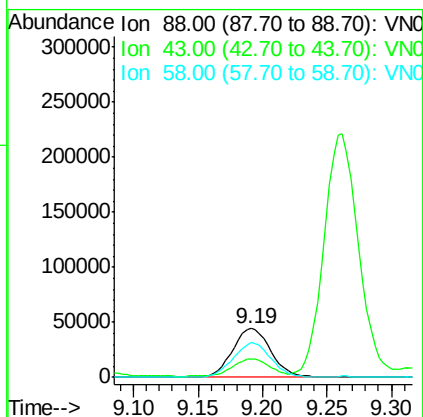
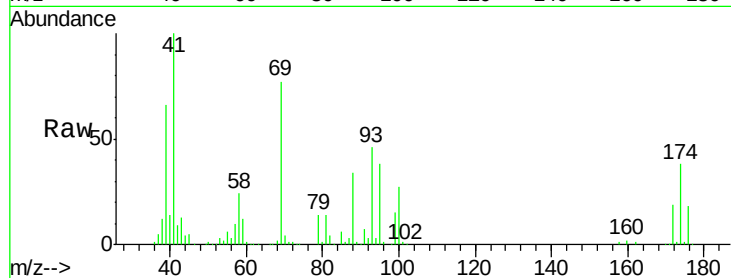
#49
1,4-Dioxane
Concen: 1178.187 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.8	41.8
58	70.1	55.0	82.4

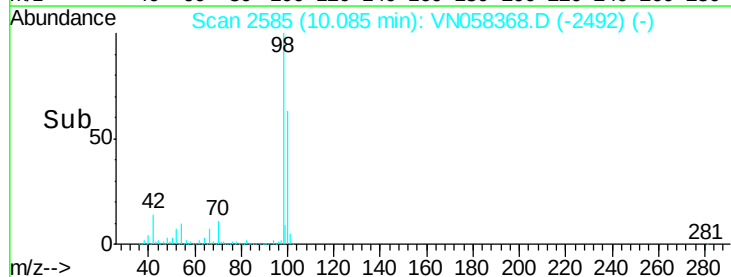
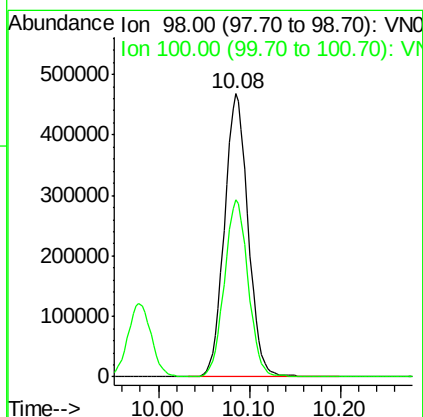
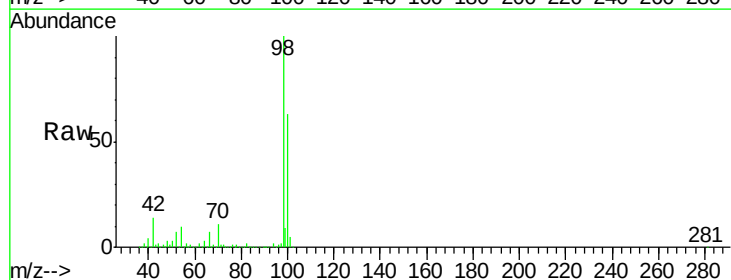
Manual Integrations
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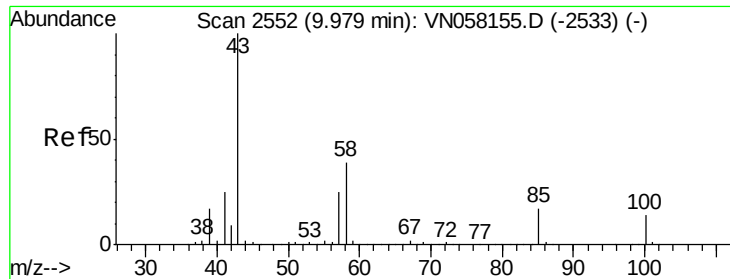
MMDadoda
9/26/2019 1:00:25 PM



#50
Toluene-d8
Concen: 47.753 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 296.675 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1644988

Ion Ratio Lower Upper

43 100

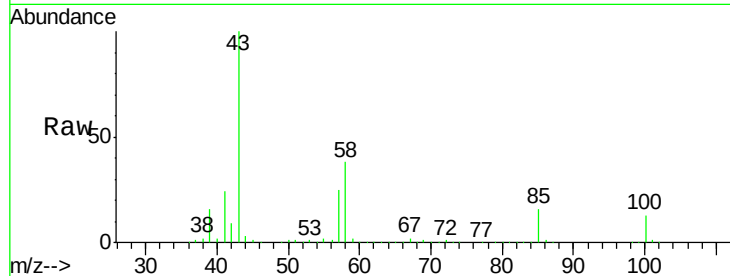
58 37.3 30.2 45.4

Manual Integrations

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9/26/2019 1:00:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

800000

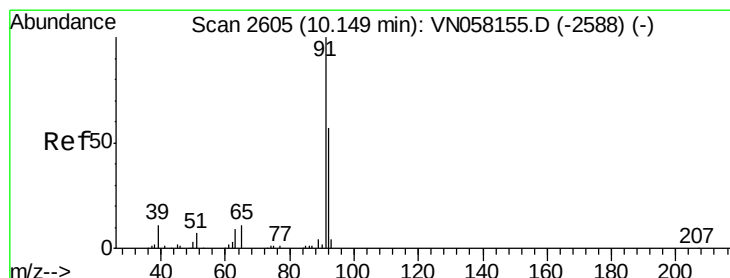
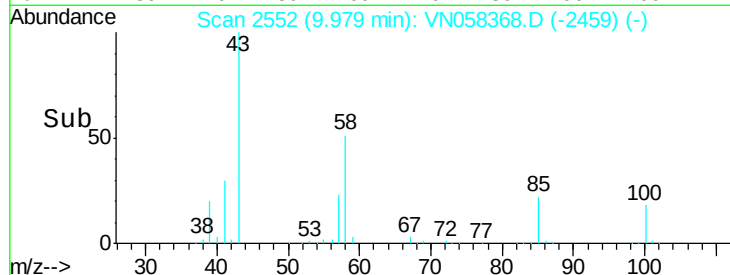
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 46.492 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058368.D

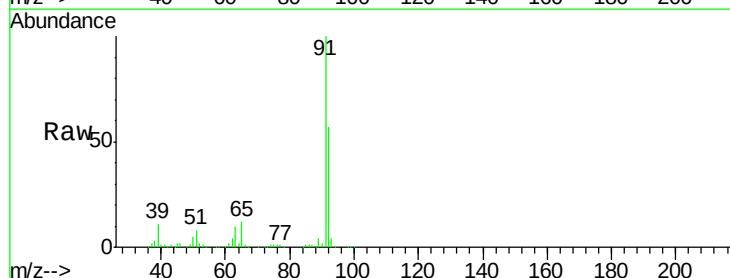
Acq: 25 Sep 2019 15:33

Tgt Ion: 92 Resp: 479330

Ion Ratio Lower Upper

92 100

91 175.9 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

500000

400000

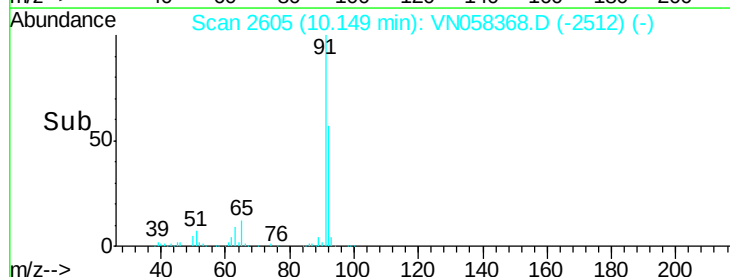
300000

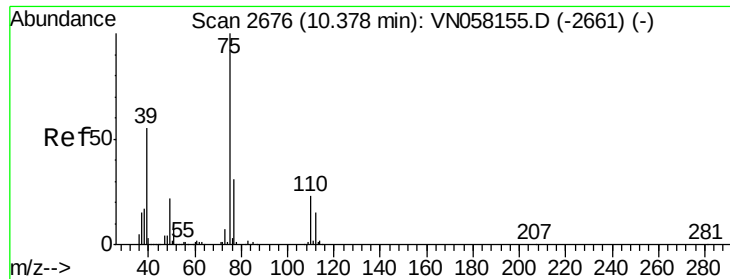
200000

100000

0

Time-->





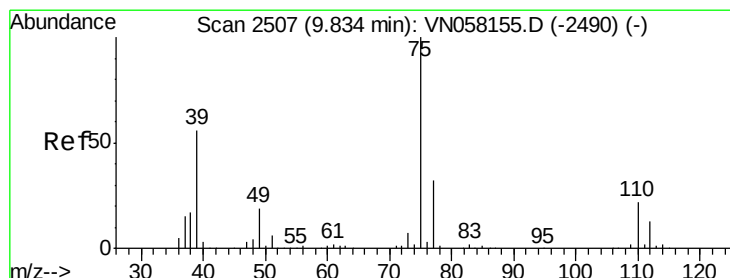
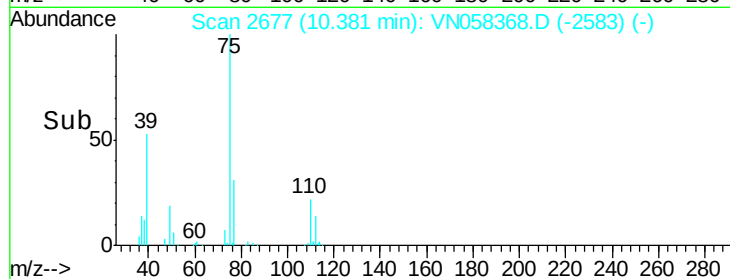
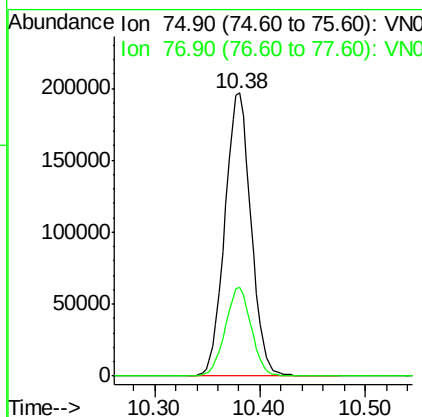
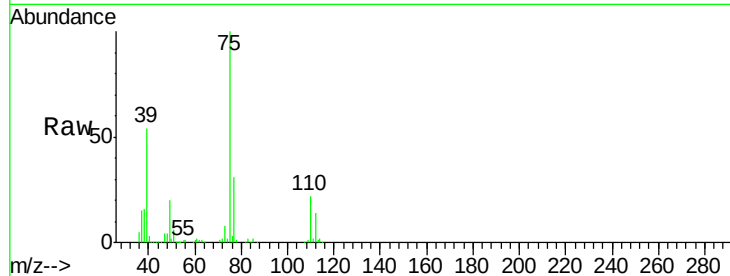
#53
t-1,3-Dichloropropene
Concen: 52.648 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 337470
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3

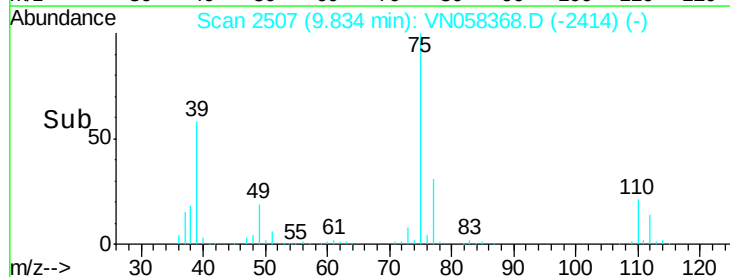
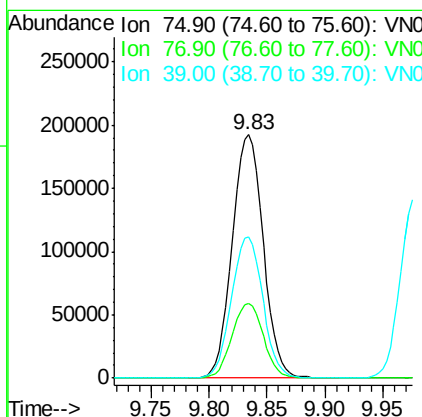
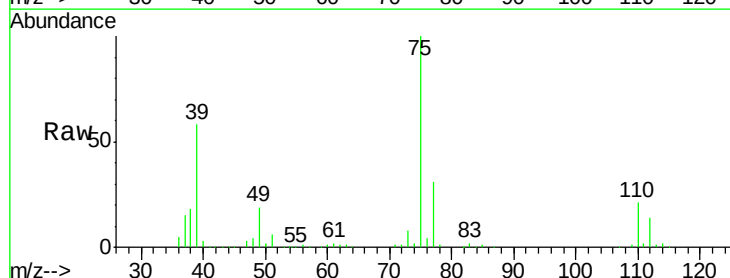
Manual Integrations
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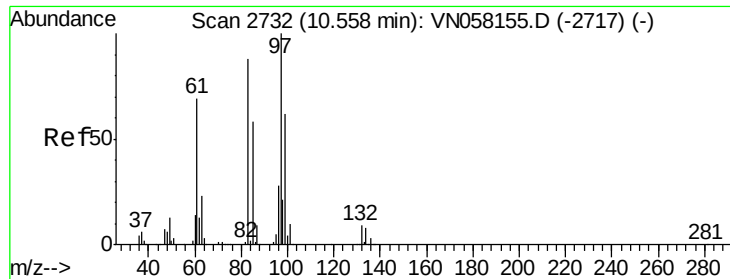
MMDadoda
9/26/2019 1:00:25 PM



#54
cis-1,3-Dichloropropene
Concen: 50.396 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion: 75 Resp: 356649
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.0
39 58.0 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 50.960 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

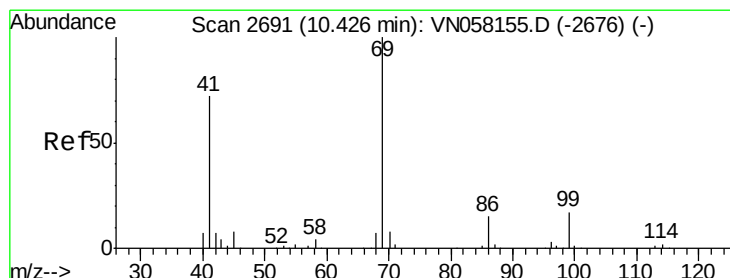
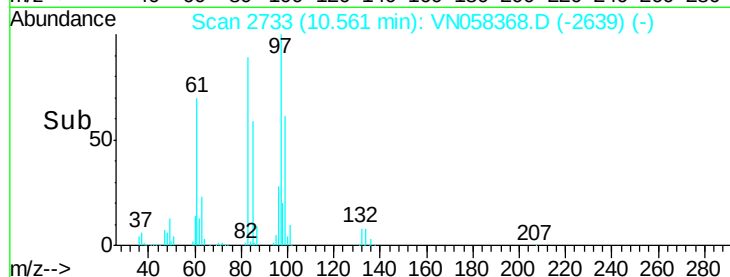
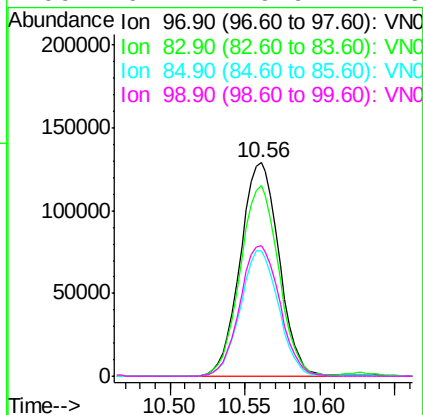
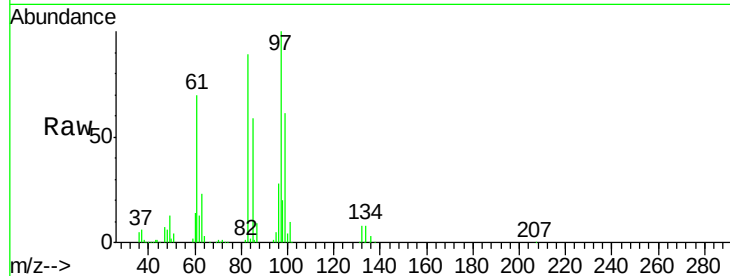
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	233158
Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.4	105.6
85	58.8	46.8	70.2
99	61.2	49.9	74.9

Manual Integrations
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9/26/2019 1:00:25 PM



#56

Ethyl methacrylate

Concen: 52.819 ug/l

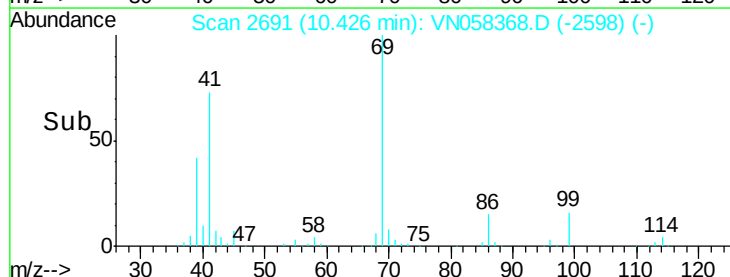
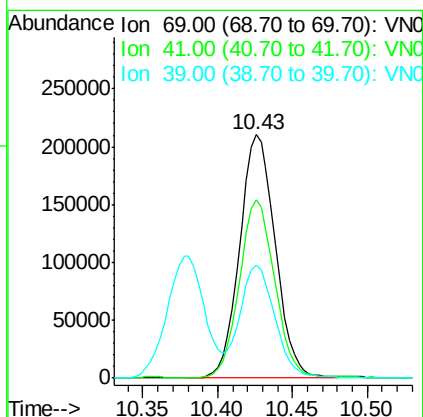
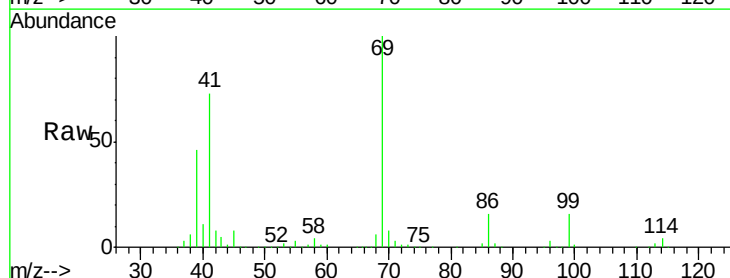
RT: 10.43 min Scan# 2691

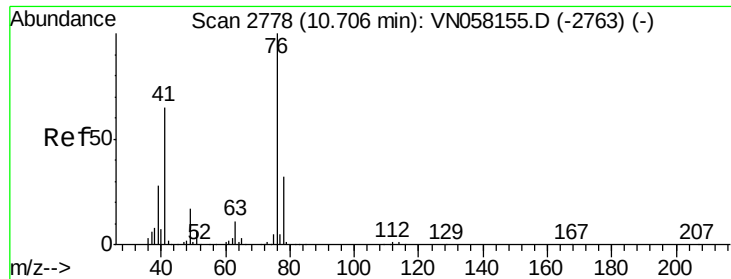
Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Tgt Ion:	69	Resp:	348674
Ion	Ratio	Lower	Upper
69	100		
41	72.1	57.5	86.3
39	45.4	36.1	54.1





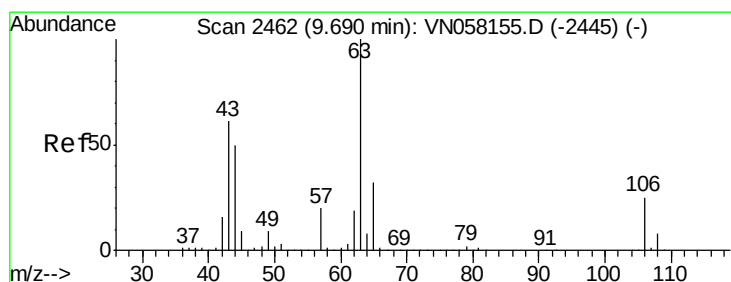
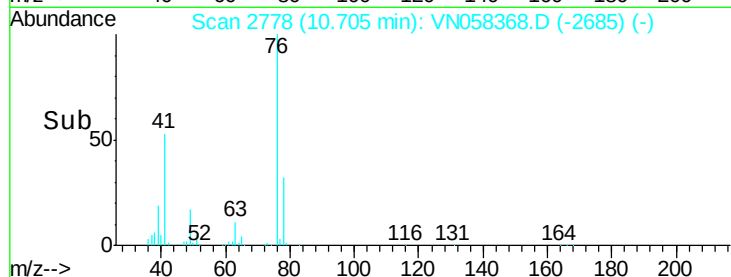
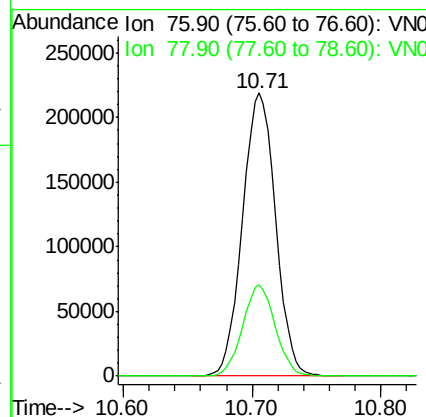
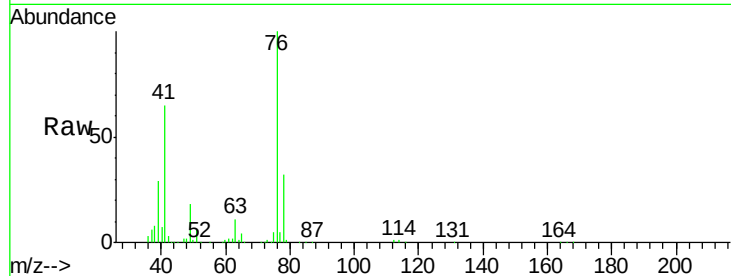
#57
 1,3-Dichloropropane
 Concen: 49.747 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.4	38.0

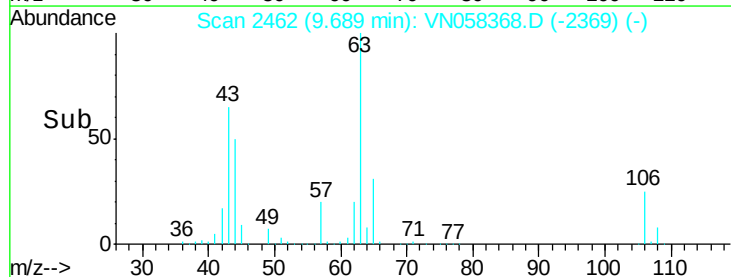
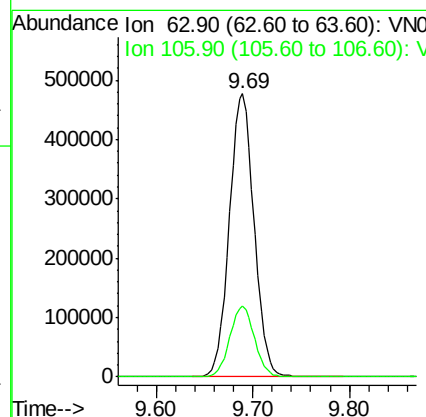
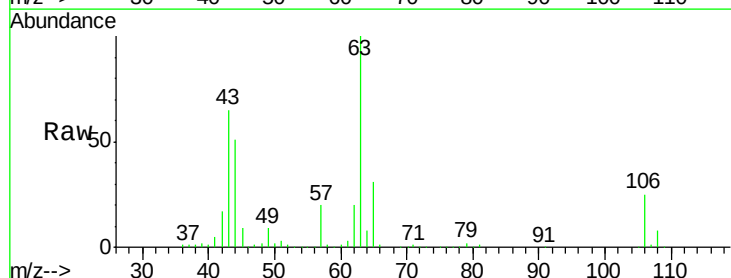
Manual Integrations
 APPROVED

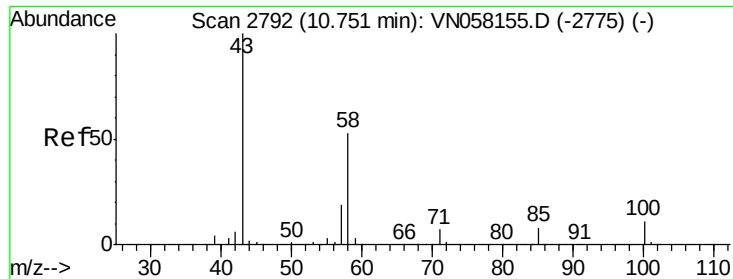
MMDadoda
 9/26/2019 1:00:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.431 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	19.9	29.9





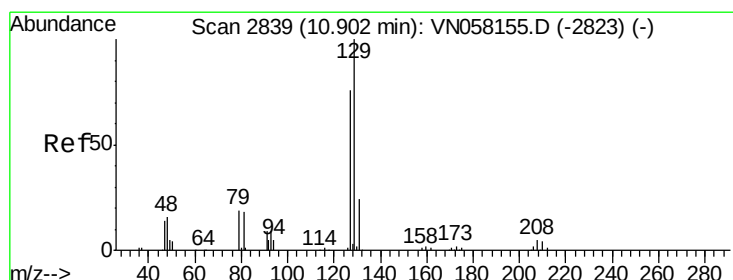
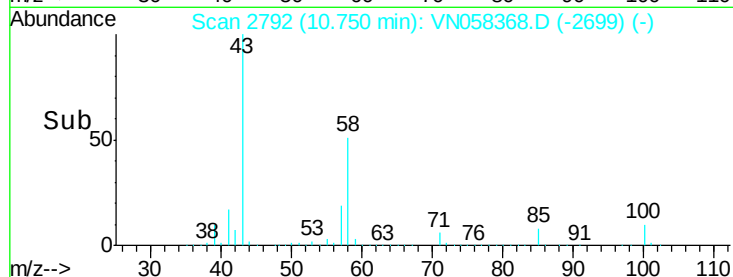
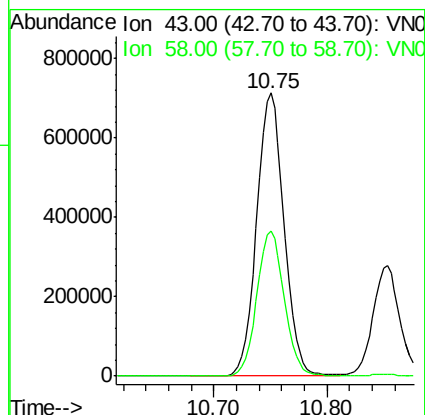
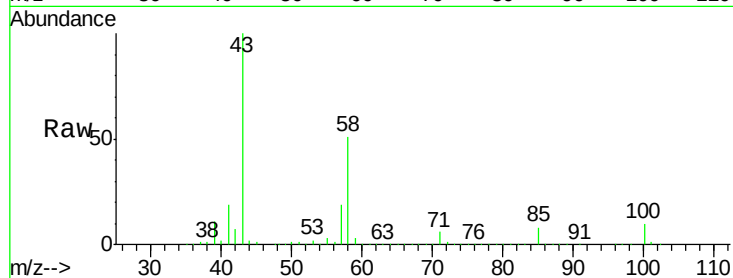
#59
2-Hexanone
Concen: 290.698 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1197101
Ion Ratio Lower Upper
43 100
58 51.4 26.0 78.0

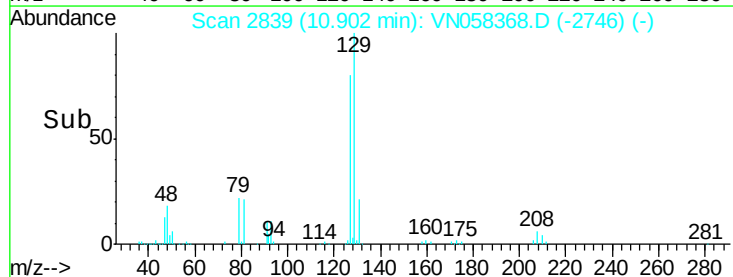
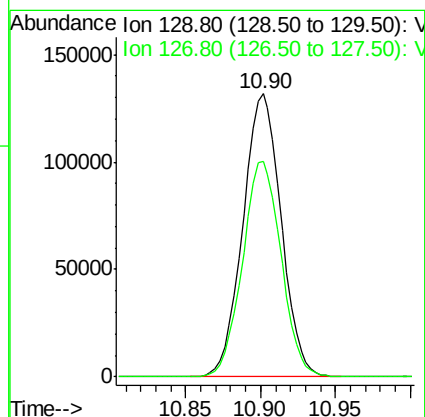
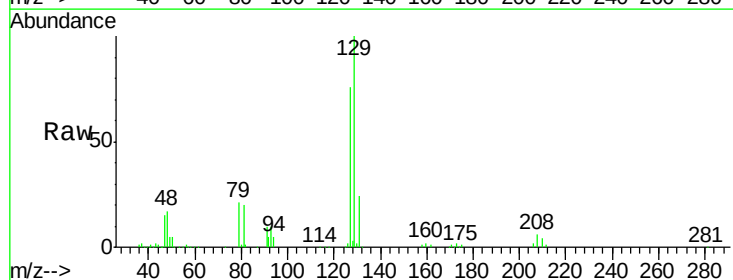
Manual Integrations
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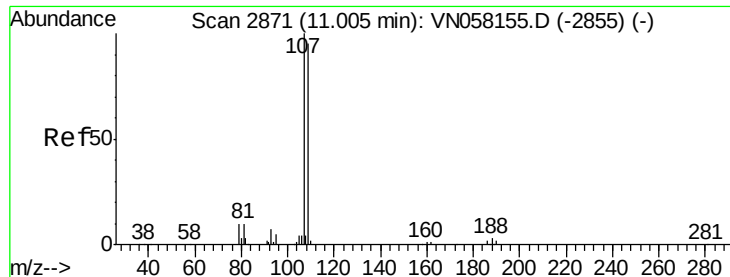
MMDadoda
9/26/2019 1:00:25 PM



#60
Dibromochloromethane
Concen: 53.334 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion: 129 Resp: 234757
Ion Ratio Lower Upper
129 100
127 76.7 38.7 116.1





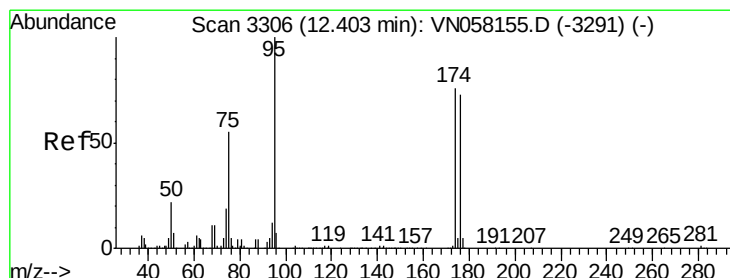
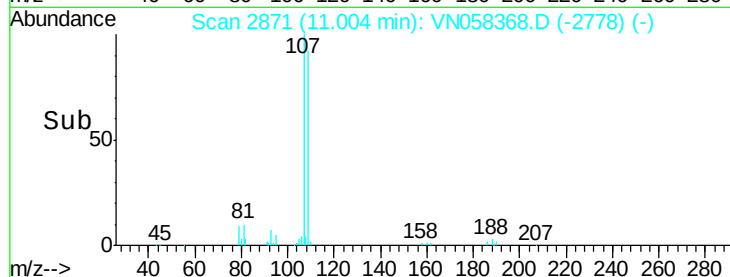
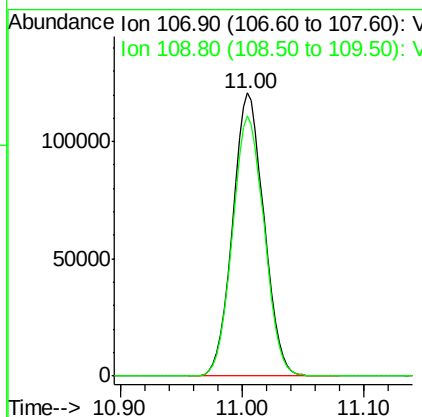
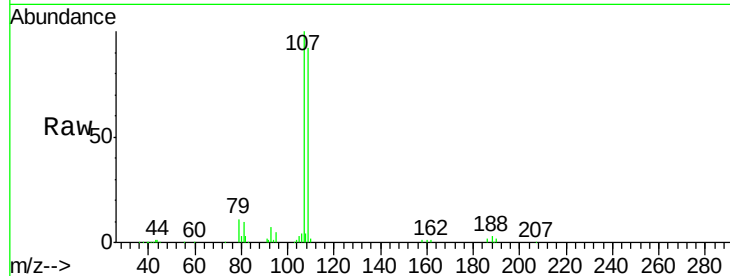
#61
 1,2-Dibromoethane
 Concen: 50.608 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.4	113.2

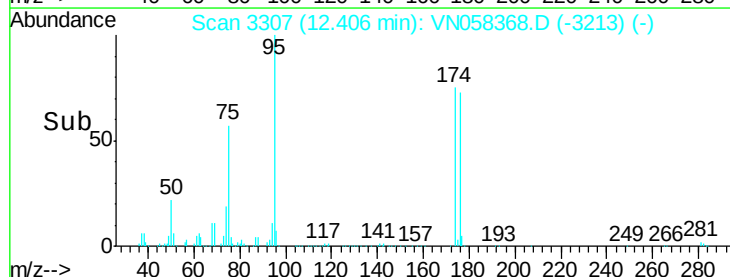
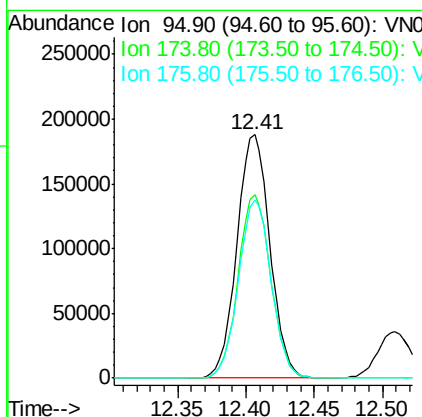
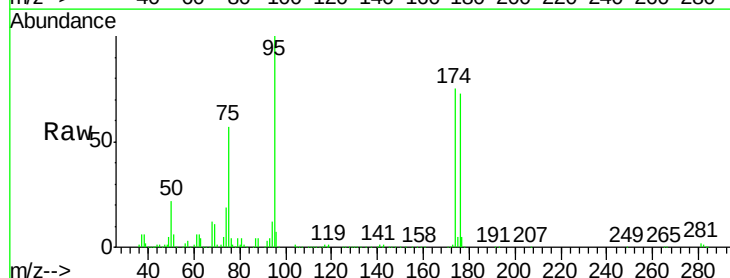
Manual Integrations
 APPROVED

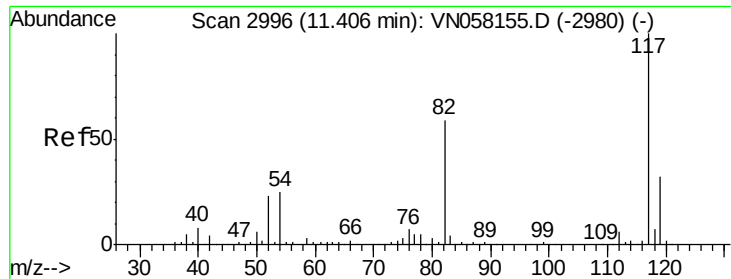
MMDadoda
 9/26/2019 1:00:25 PM



#62
 4-Bromofluorobenzene
 Concen: 48.071 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	152.2
176	72.2	0.0	148.0





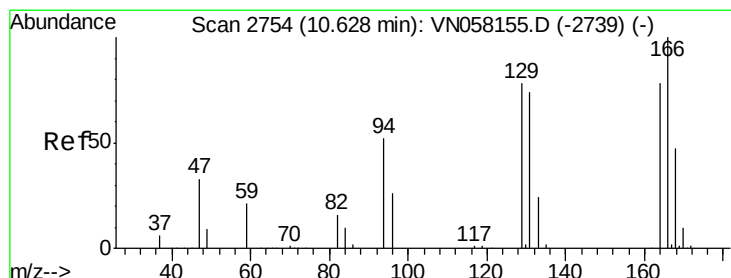
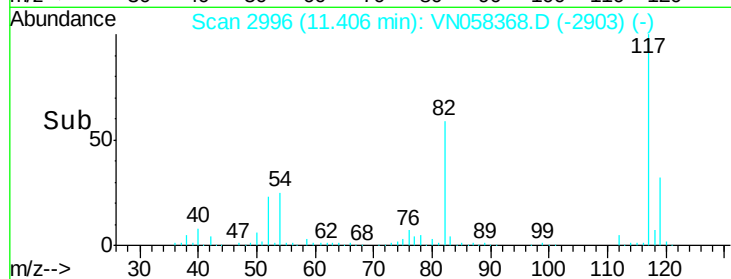
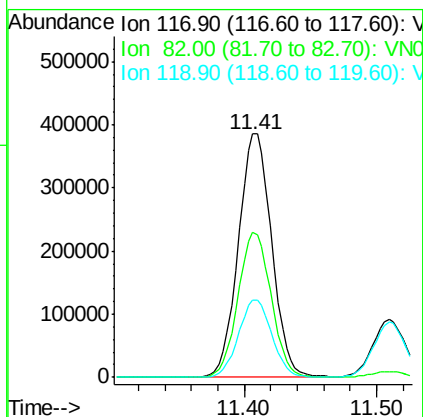
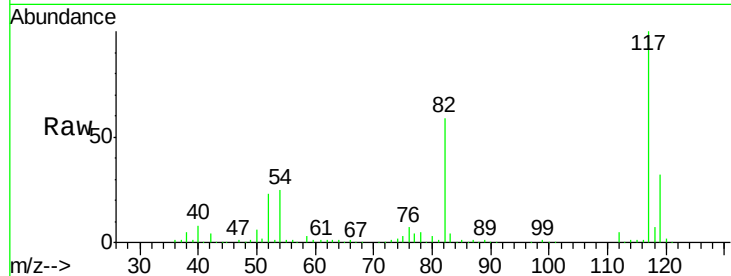
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.9	70.3
119	31.8	25.3	37.9

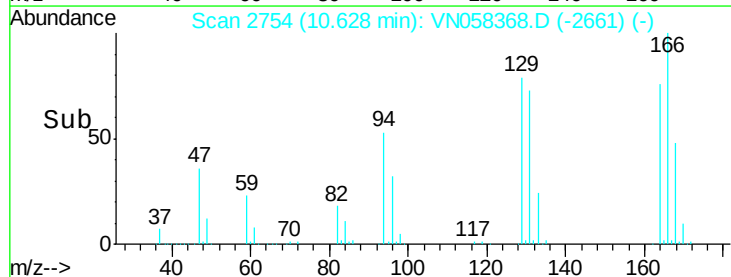
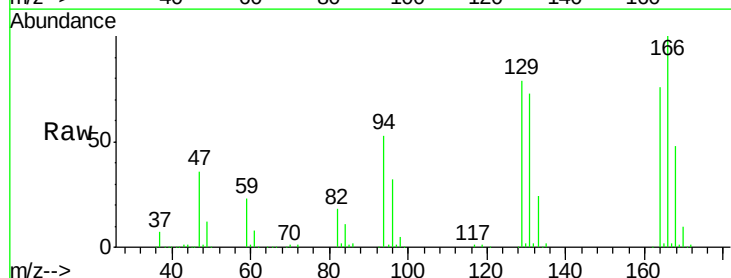
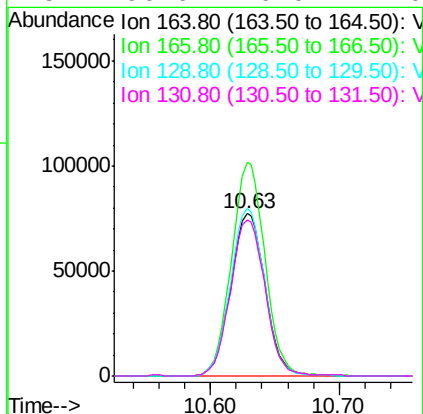
Manual Integrations
APPROVED

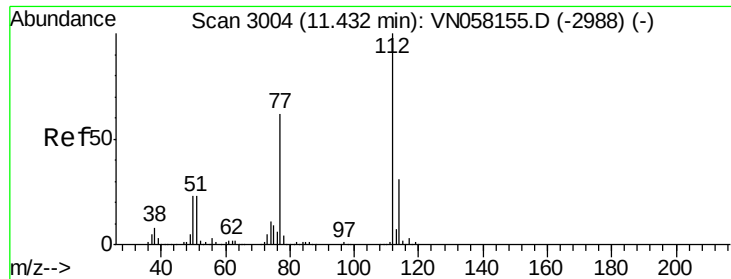
MMDadoda
9/26/2019 1:00:25 PM



#64
Tetrachloroethene
Concen: 43.672 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	102.2	153.4
129	103.6	79.6	119.4
131	96.6	76.0	114.0





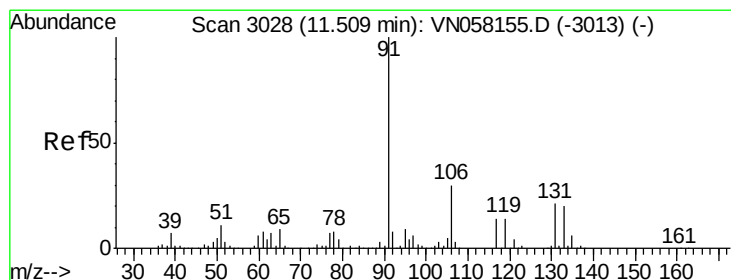
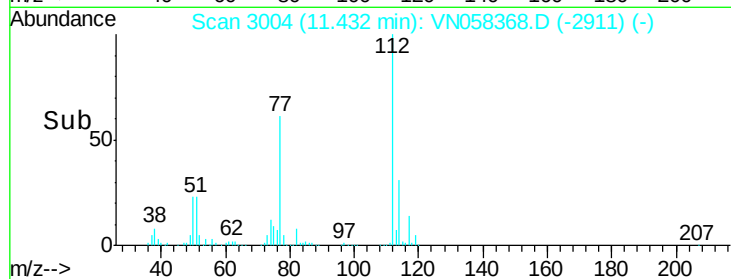
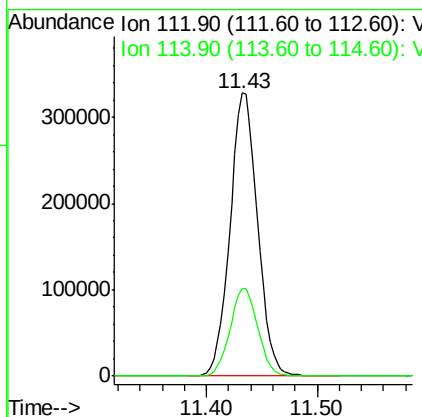
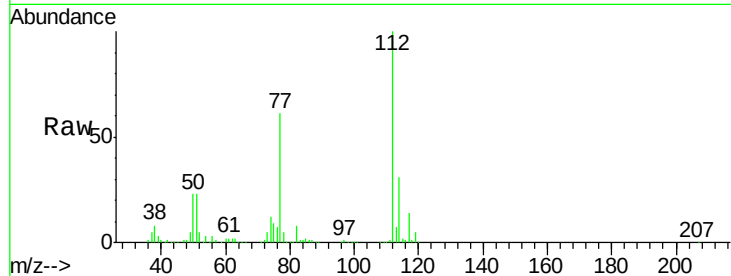
#65
Chlorobenzene
Concen: 47.941 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.1	37.7

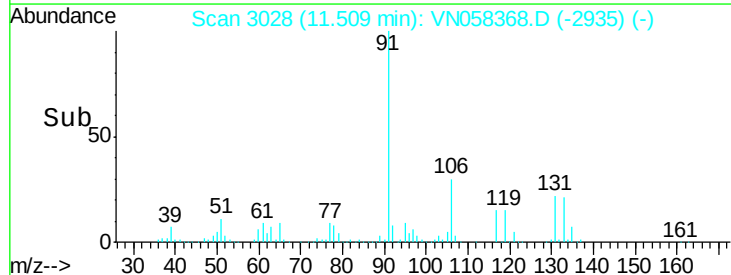
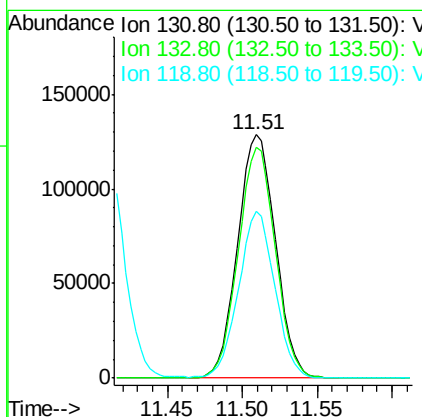
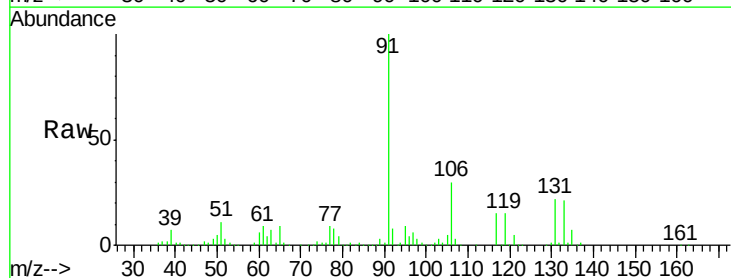
Manual Integrations
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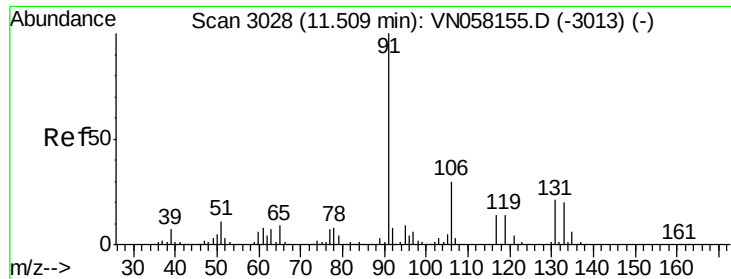
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.712 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.8	143.3
119	65.8	33.1	99.3





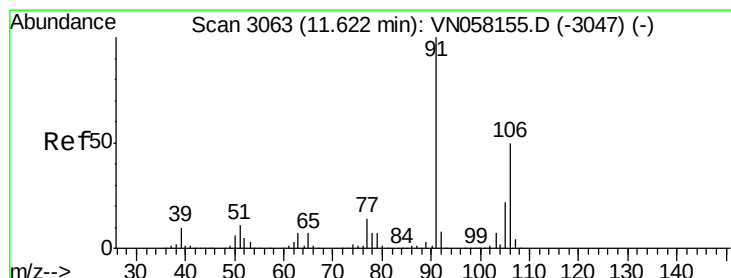
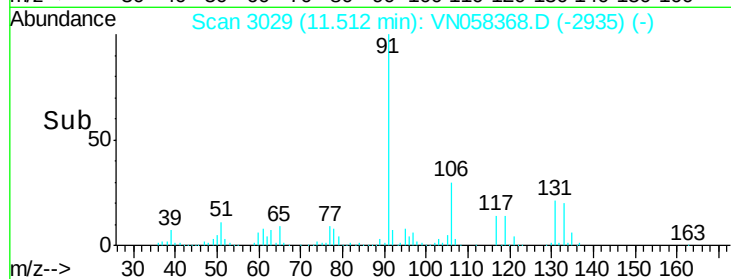
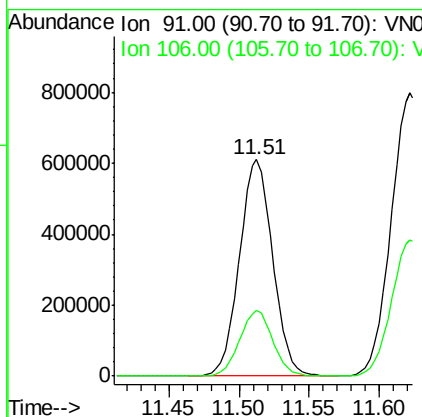
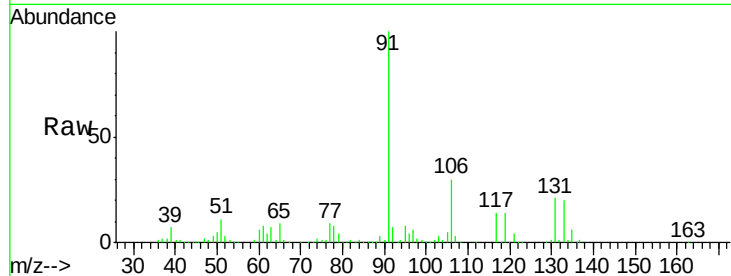
#67
Ethyl Benzene
Concen: 49.772 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1010732
Ion Ratio Lower Upper
91 100
106 30.3 24.0 36.0

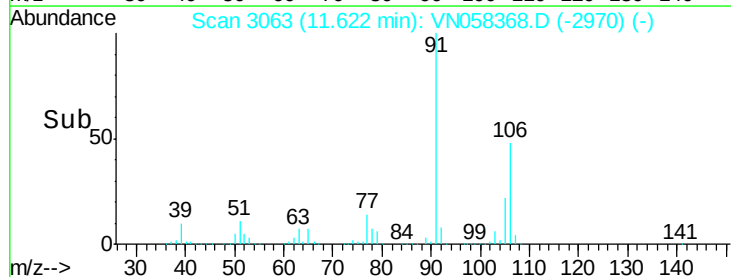
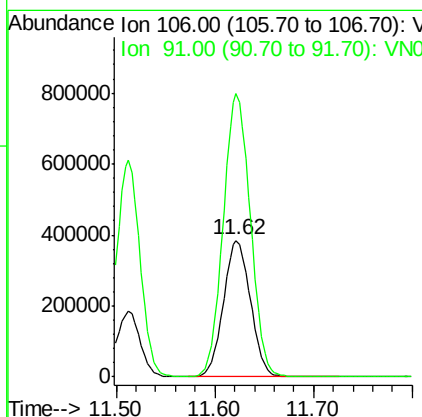
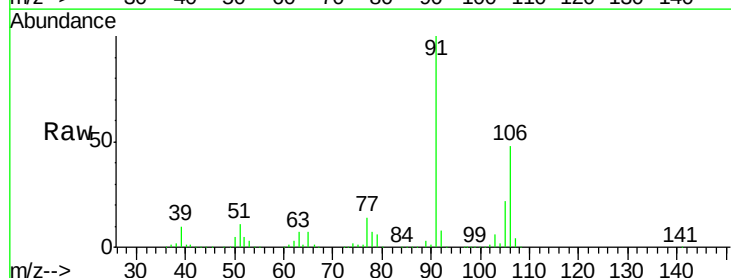
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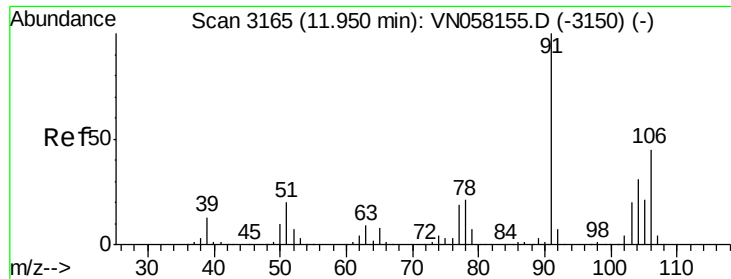
MMDadoda
9/26/2019 1:00:25 PM



#68
m/p-Xylenes
Concen: 96.323 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion: 106 Resp: 736709
Ion Ratio Lower Upper
106 100
91 208.8 163.6 245.4





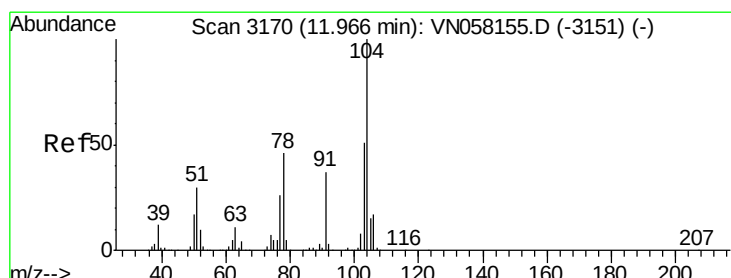
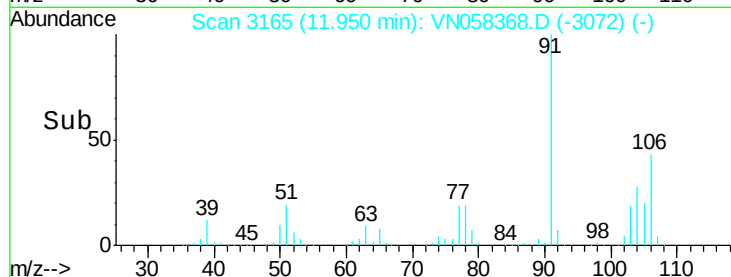
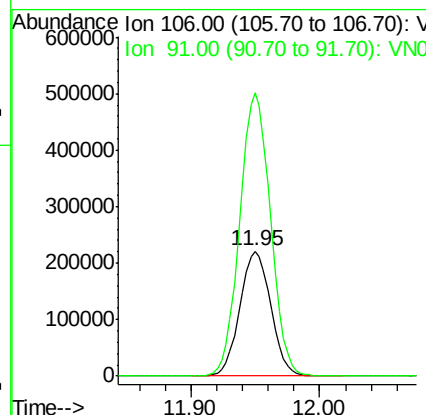
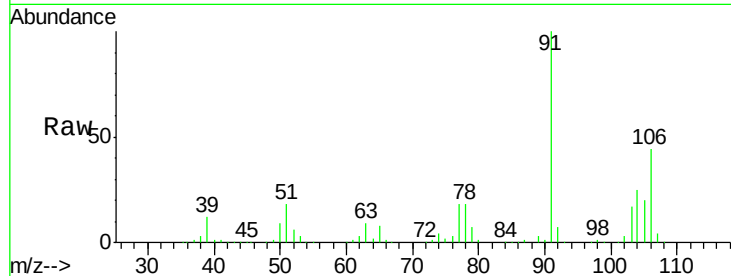
#69
o-Xylene
Concen: 49.074 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		369059		
91	225.1	111.8	335.3		

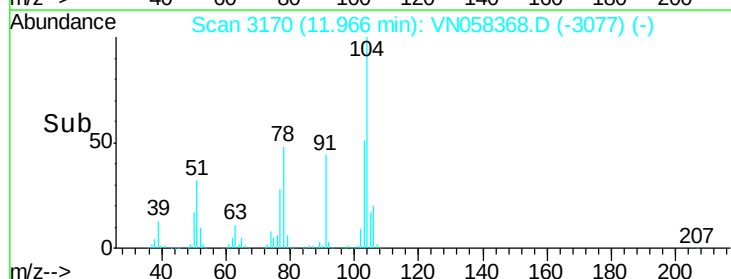
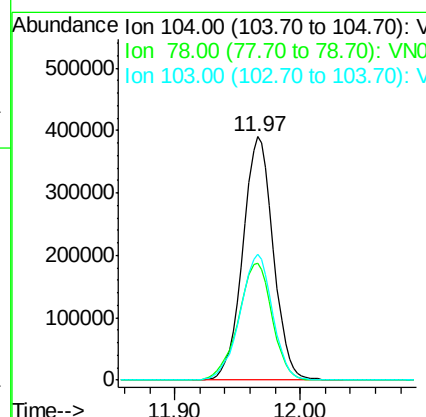
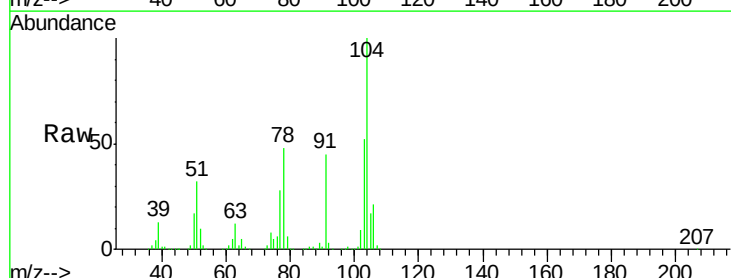
Manual Integrations
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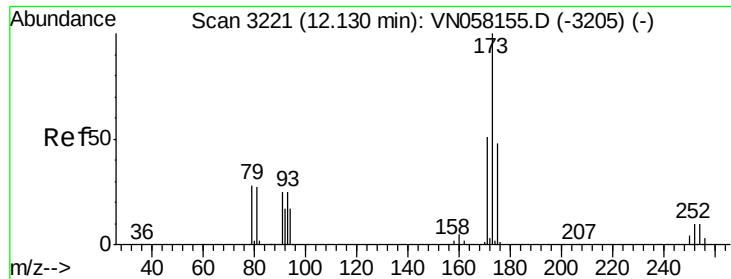
MMDadoda
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#70
Styrene
Concen: 50.764 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		657779		
78	53.3	41.8	62.8		
103	55.1	44.2	66.2		





#71

Bromoform

Concen: 48.199 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

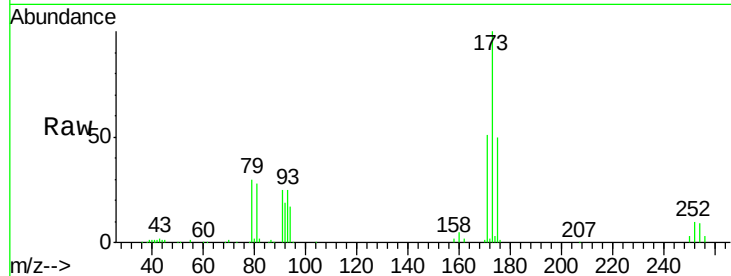
ClientSampleId :

VSTDCCC050EC

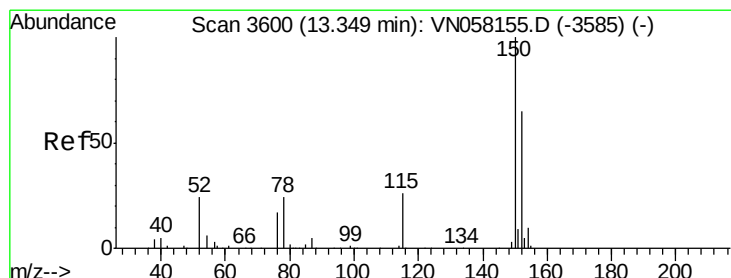
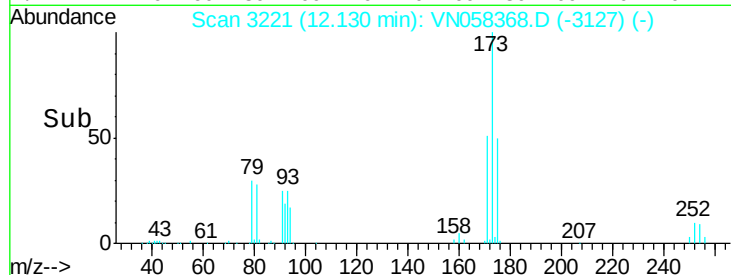
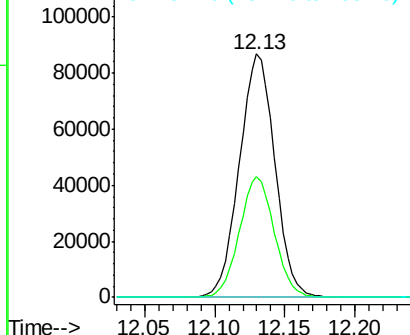
Tot Ion:	173	Resp:	153119
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.2	72.6
254	0.1	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

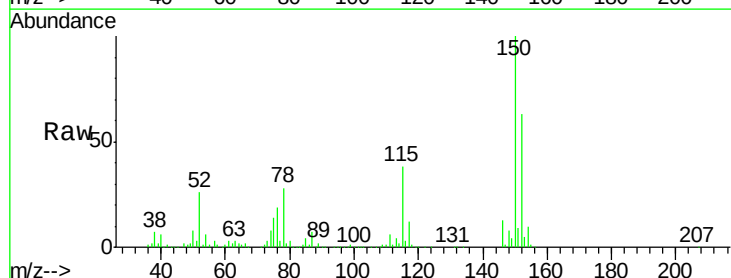
RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

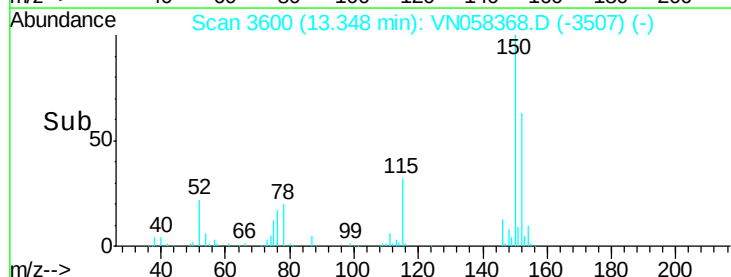
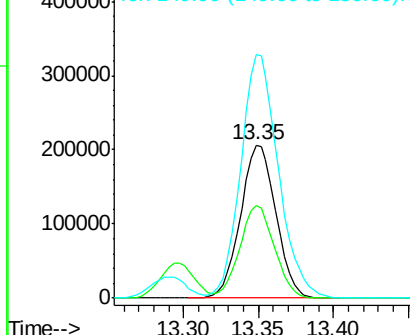
Lab File: VN058368.D

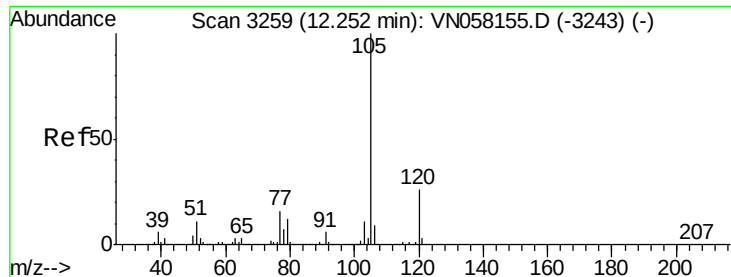
Acq: 25 Sep 2019 15:33

Tgt Ion:	152	Resp:	338738
Ion Ratio	Lower	Upper	
152	100		
115	59.5	30.1	90.3
150	169.3	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.179 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1063945

Ion Ratio Lower Upper

105 100

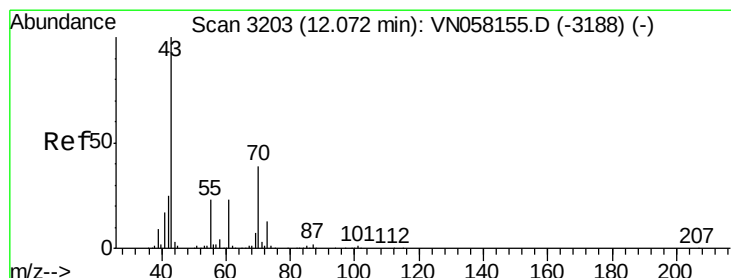
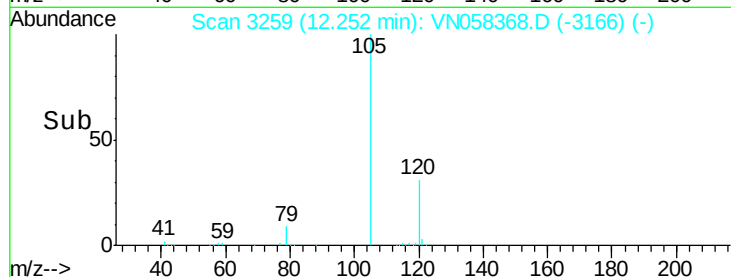
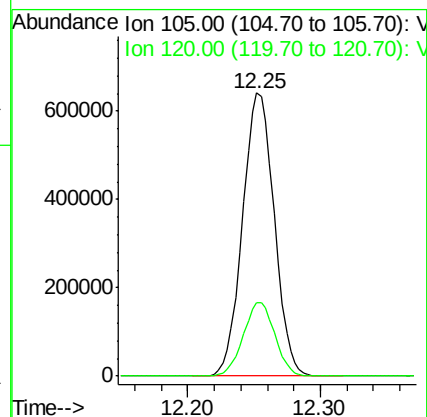
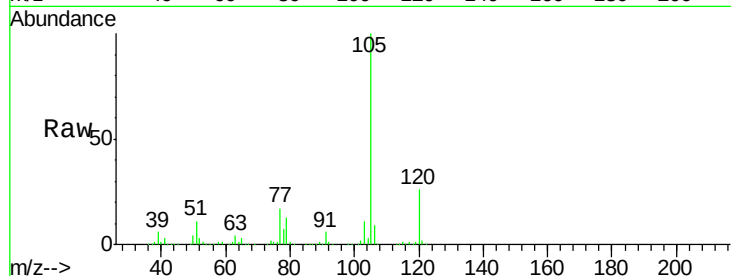
120 25.9 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 54.355 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Tgt Ion: 43 Resp: 482126

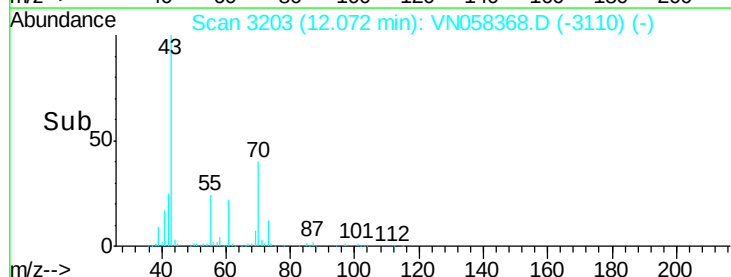
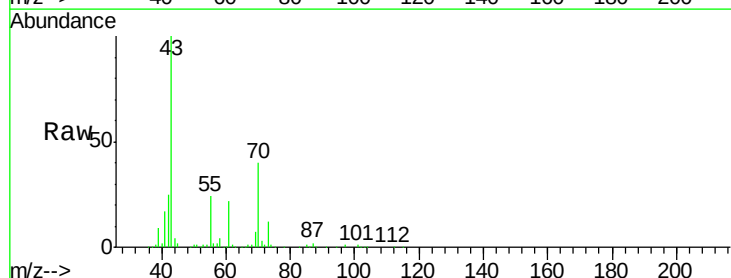
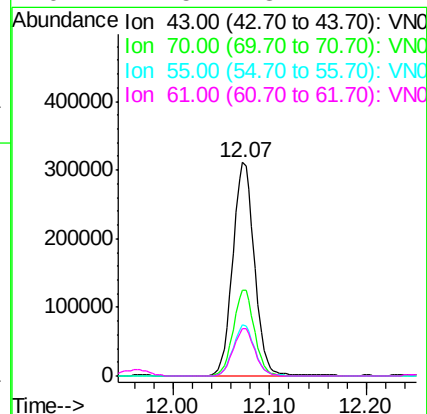
Ion Ratio Lower Upper

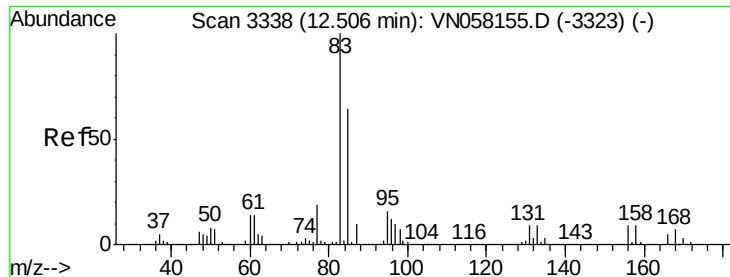
43 100

70 39.7 31.0 46.6

55 23.9 18.5 27.7

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.820 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

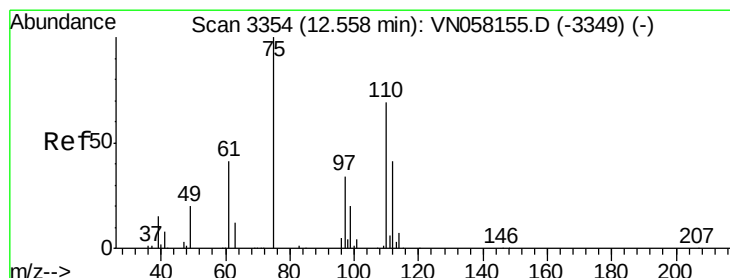
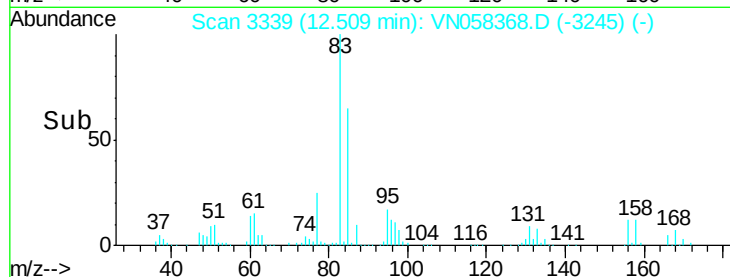
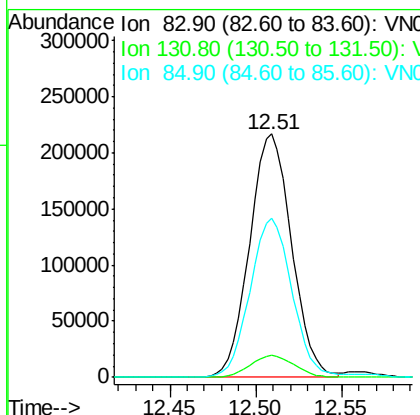
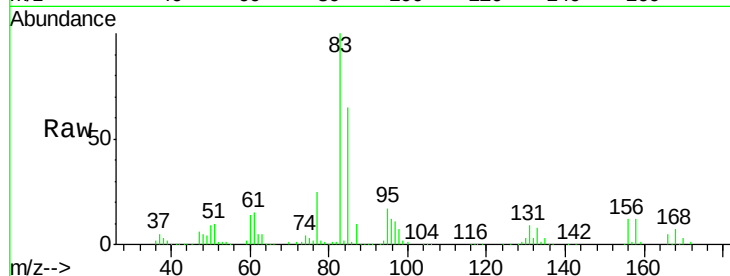
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	367939
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	65.3	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.451 ug/l m

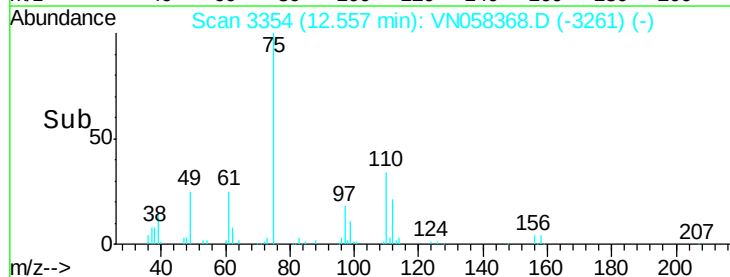
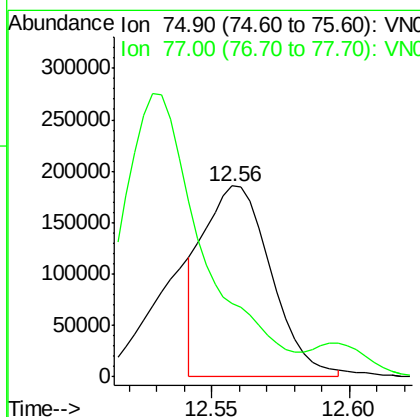
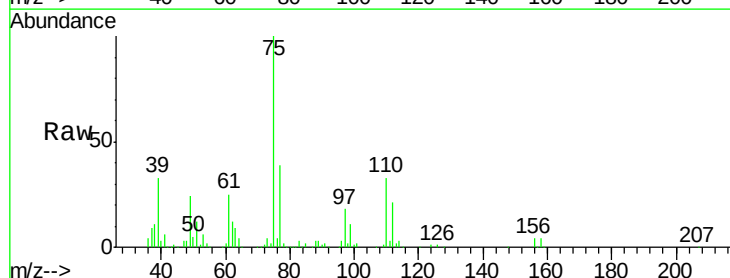
RT: 12.56 min Scan# 3354

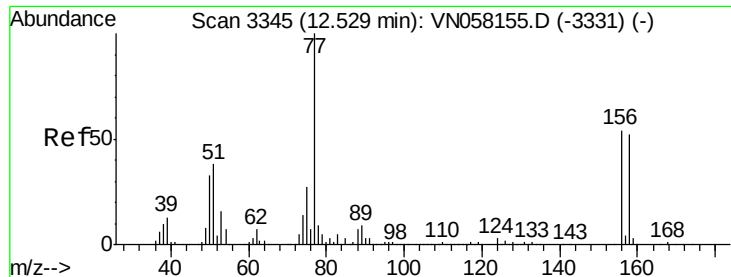
Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Tgt Ion:	75	Resp:	317975
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.572 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

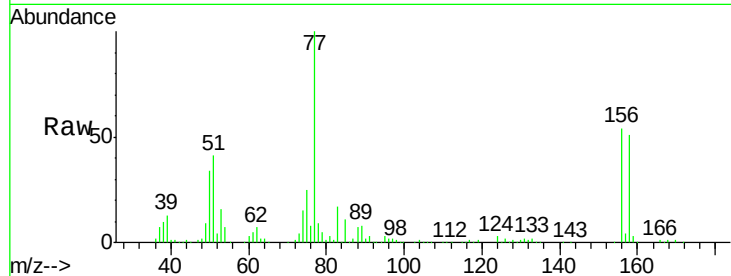
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	248389
Ion Ratio	Lower	Upper	
156	100		
77	229.4	111.7	335.1
158	96.4	47.9	143.8

Manual Integrations
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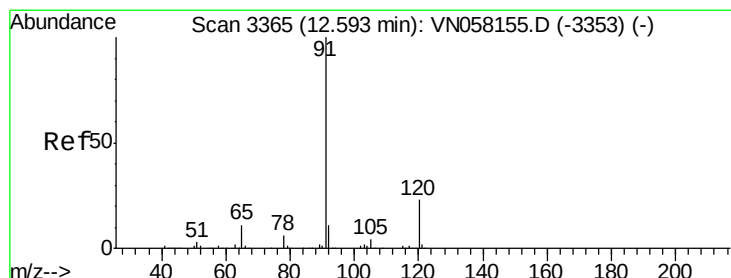
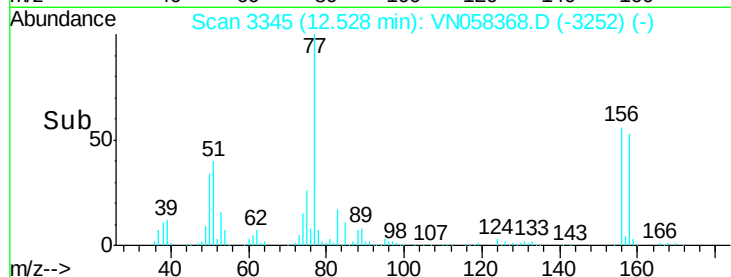
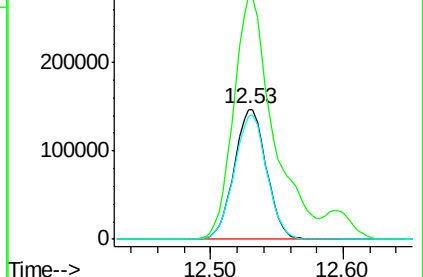
MMDadoda
9/26/2019 1:00:25 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.846 ug/l

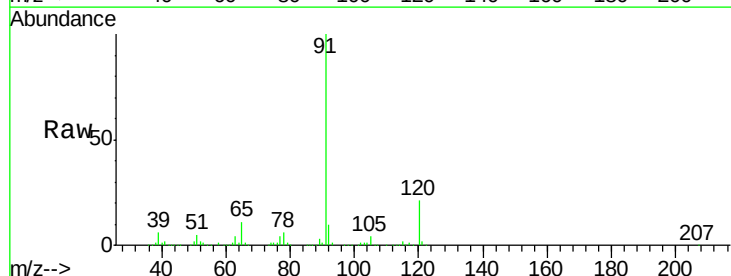
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058368.D

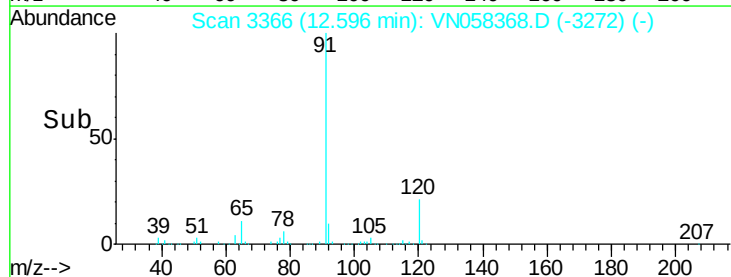
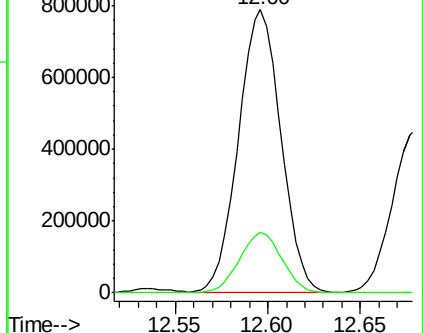
Acq: 25 Sep 2019 15:33

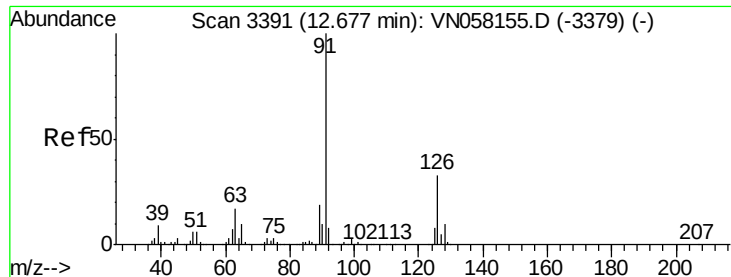
Tgt Ion:	91	Resp:	1249181
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.926 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 751786

Ion Ratio Lower Upper

91 100

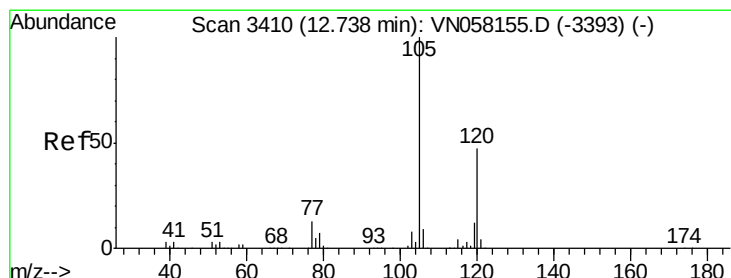
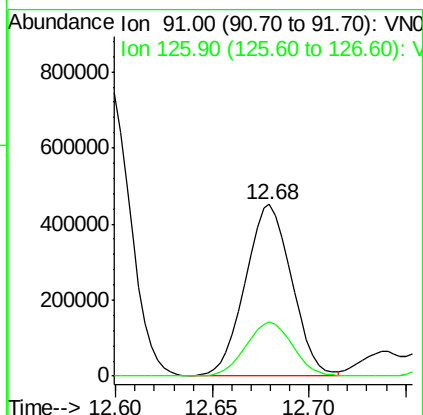
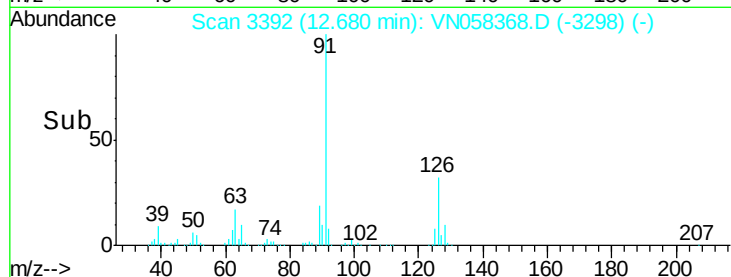
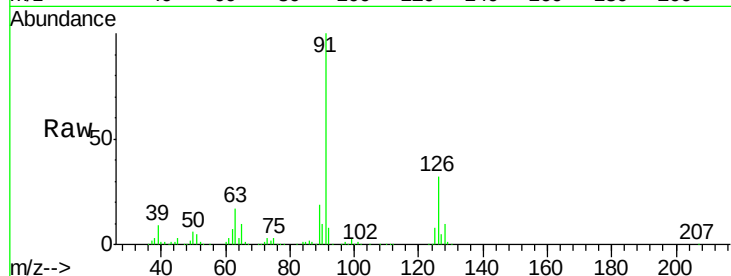
126 32.2 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.240 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058368.D

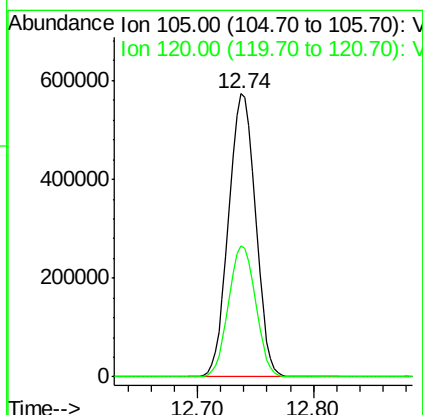
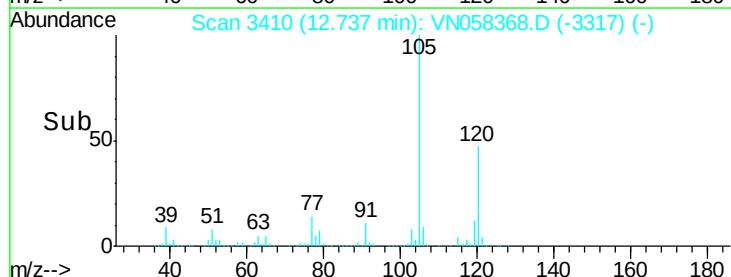
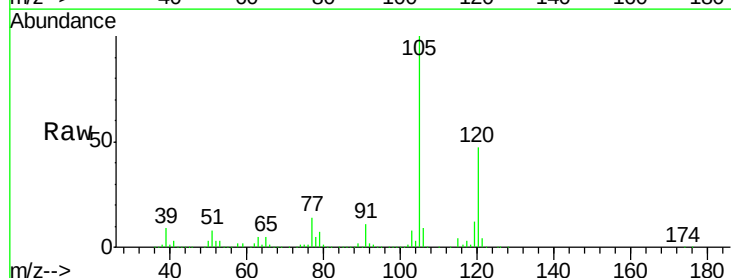
Acq: 25 Sep 2019 15:33

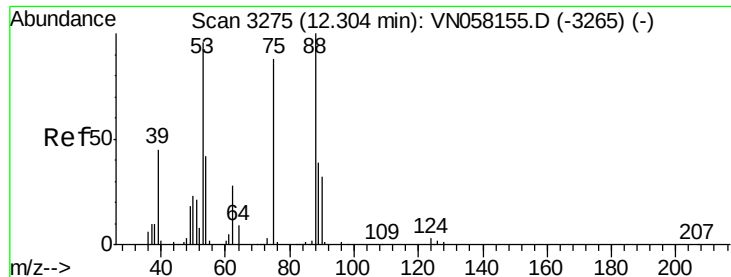
Tgt Ion: 105 Resp: 918708

Ion Ratio Lower Upper

105 100

120 46.5 23.4 70.0





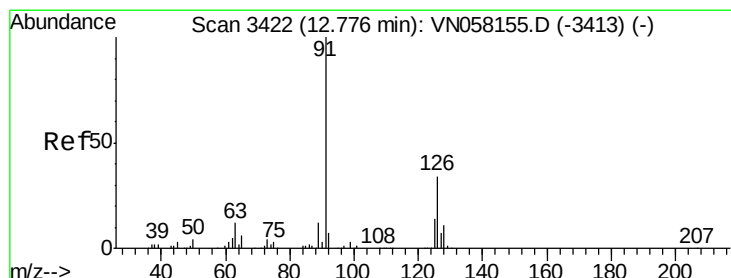
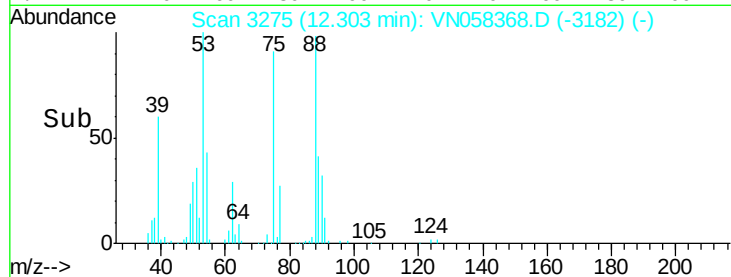
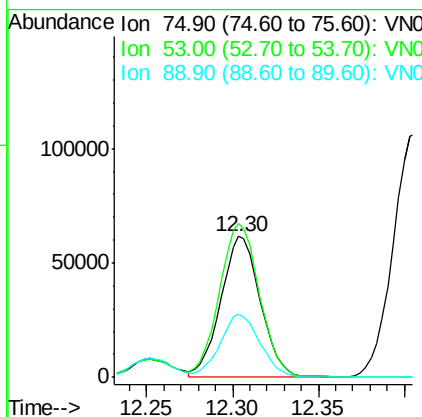
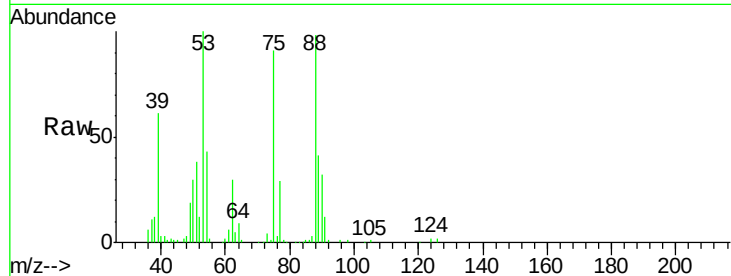
#81
trans-1,4-Dichloro-2-butene
Concen: 48.714 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.7	90.1	135.1
89	45.6	36.2	54.2

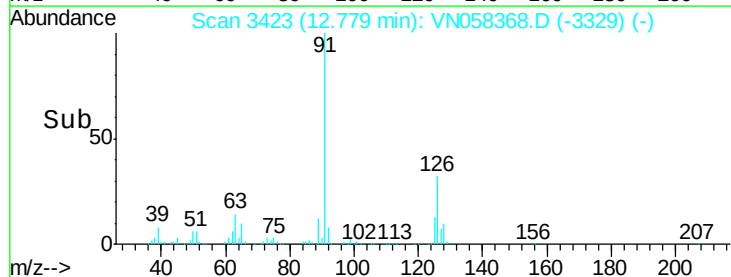
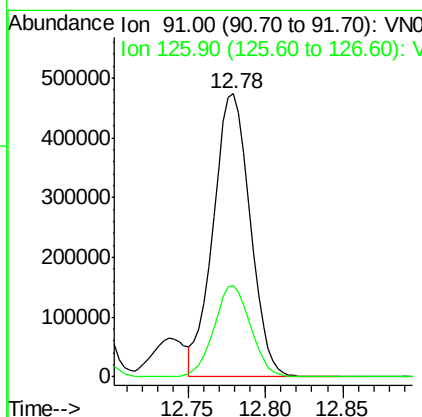
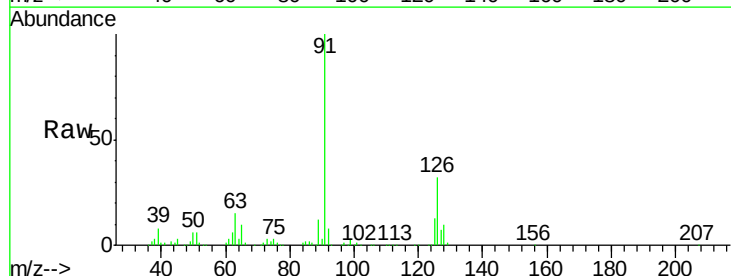
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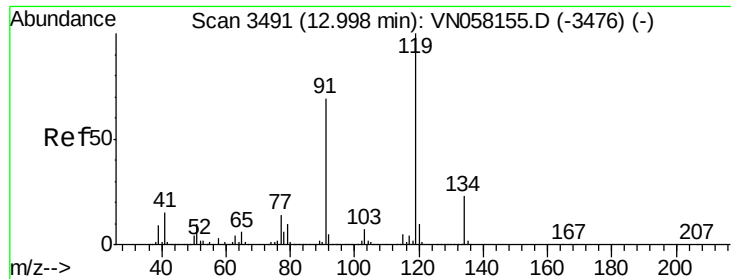
MMDadoda
9/26/2019 1:00:25 PM



#82
4-Chlorotoluene
Concen: 49.510 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1





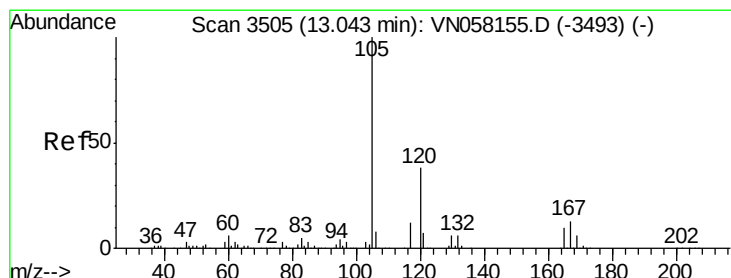
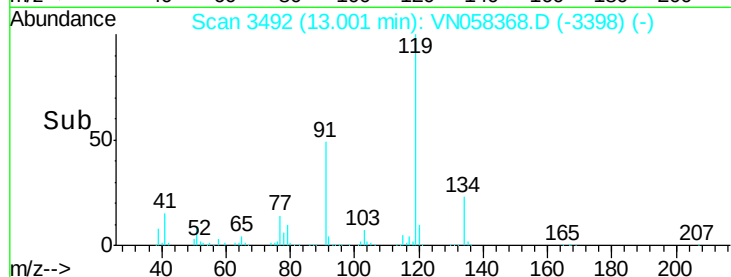
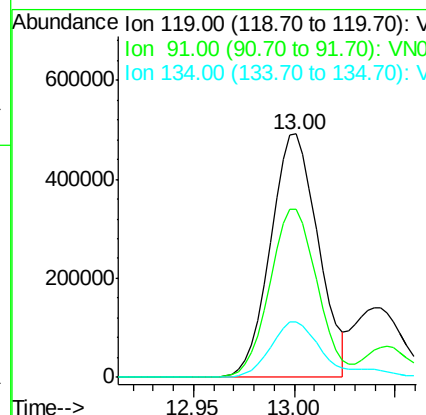
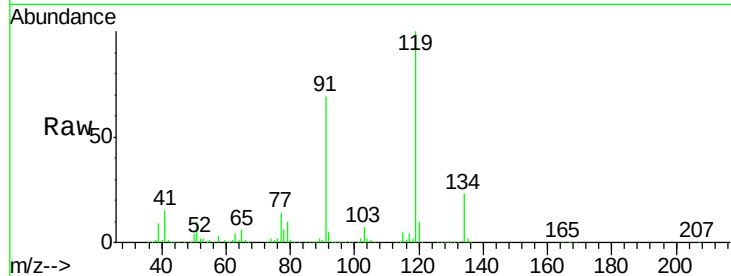
#83
 tert-Butylbenzene
 Concen: 50.405 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	805942		
91	68.7		33.8	101.3
134	23.1		11.6	34.8

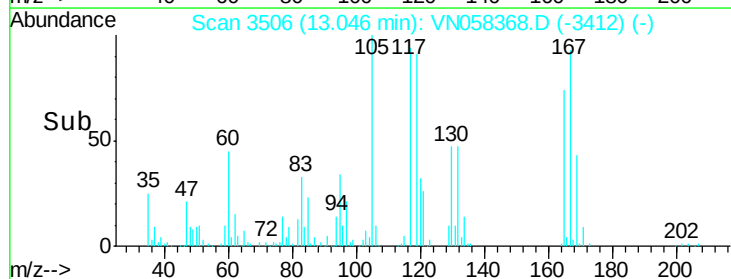
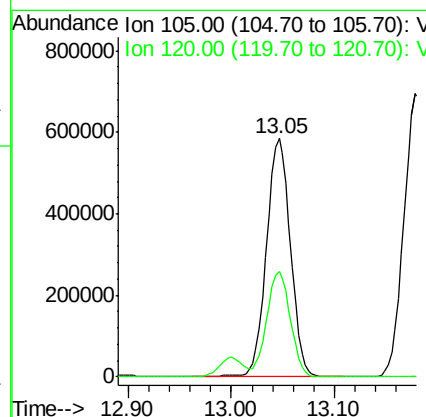
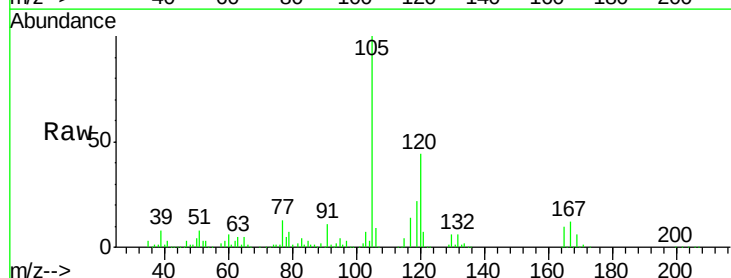
Manual Integrations
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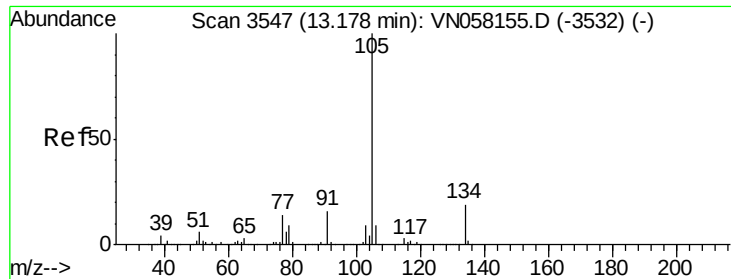
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 9/26/2019 1:00:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.626 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	938985		
120	43.8		22.1	66.5





#85

sec-Butylbenzene

Concen: 53.032 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1108830

Ion Ratio Lower Upper

105 100

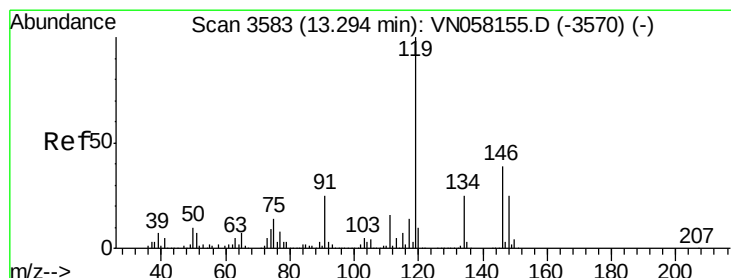
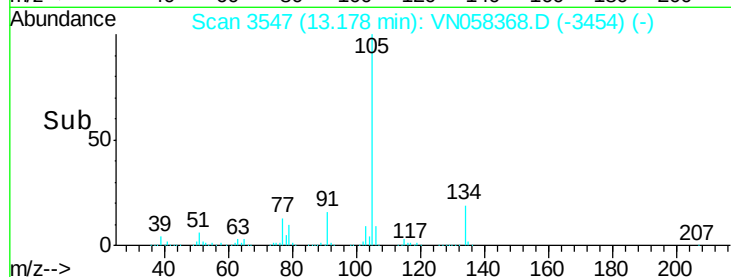
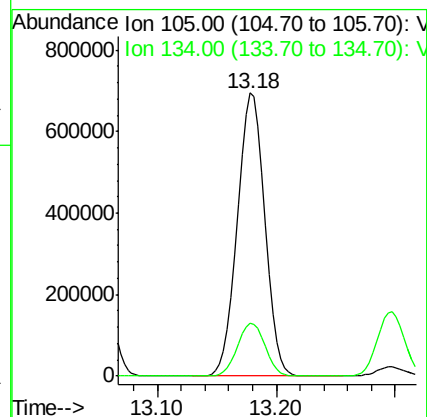
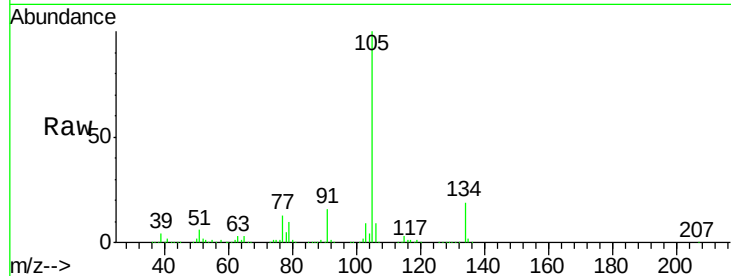
134 18.9 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.267 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

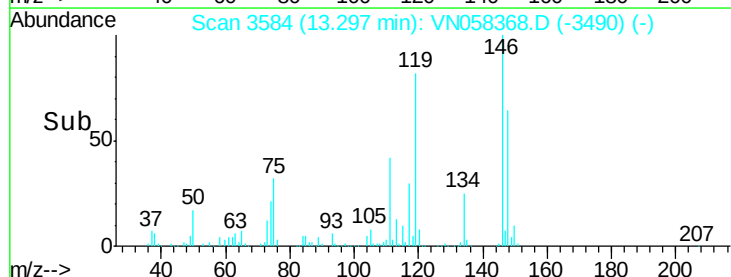
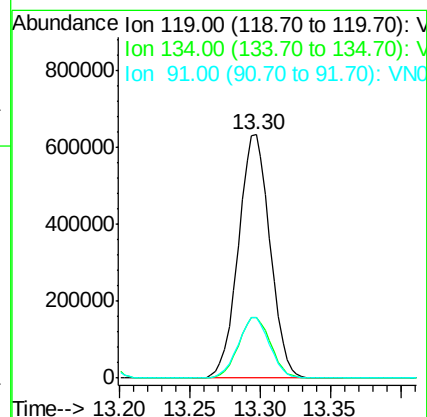
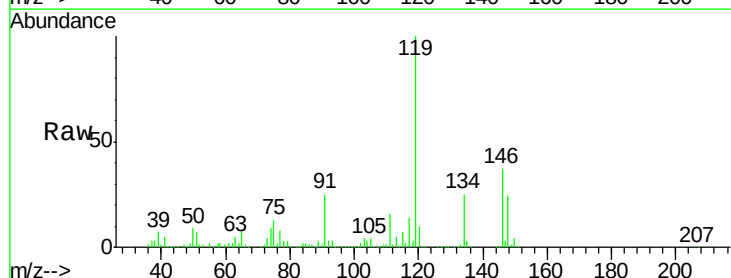
Tgt Ion:119 Resp: 990136

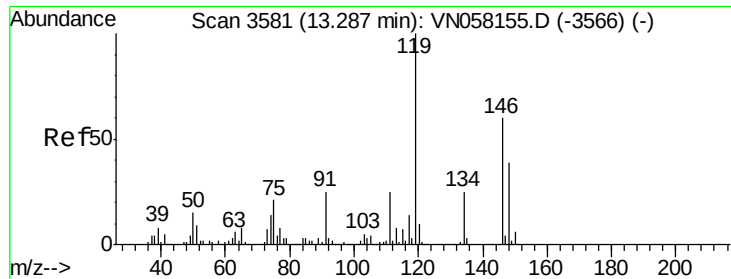
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.0

91 24.8 12.3 36.8





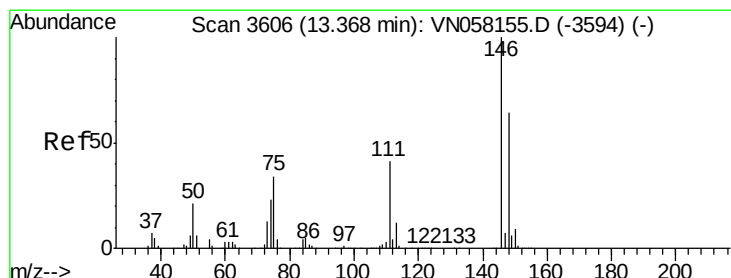
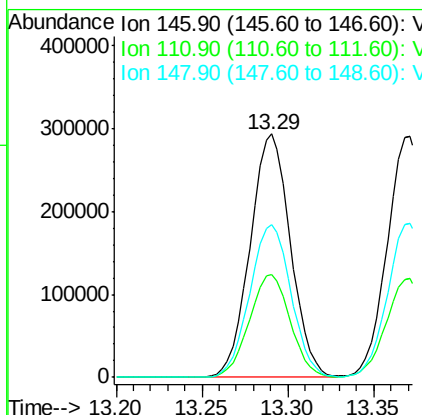
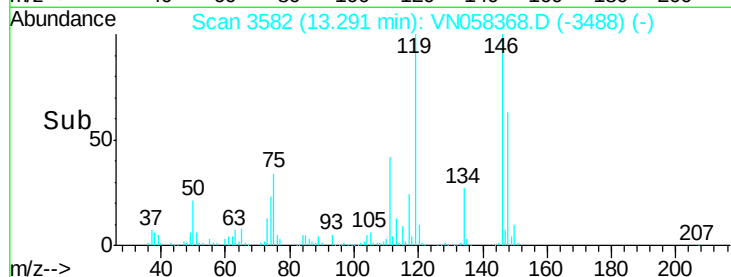
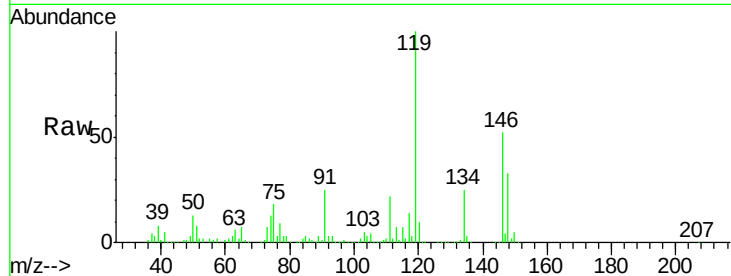
#87
 1,3-Dichlorobenzene
 Concen: 48.978 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.9	62.8
148	64.2	32.0	96.2

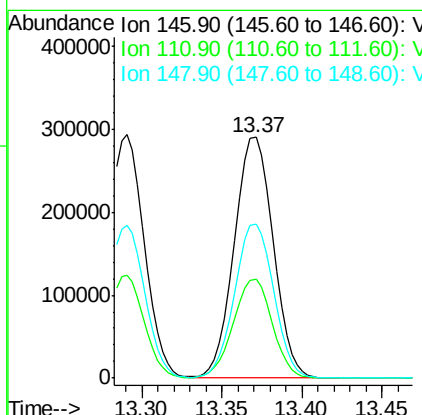
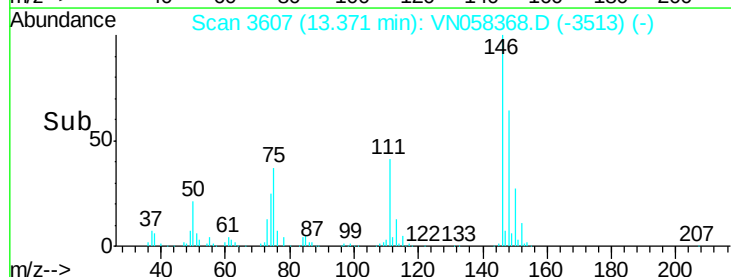
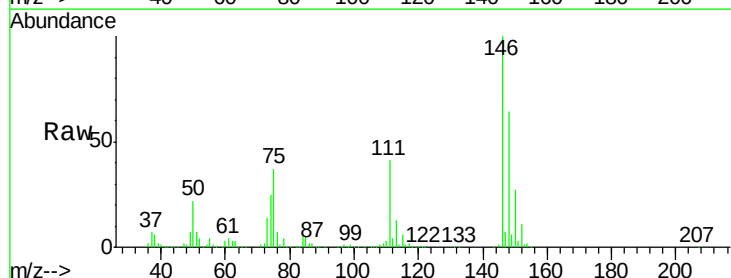
Manual Integrations
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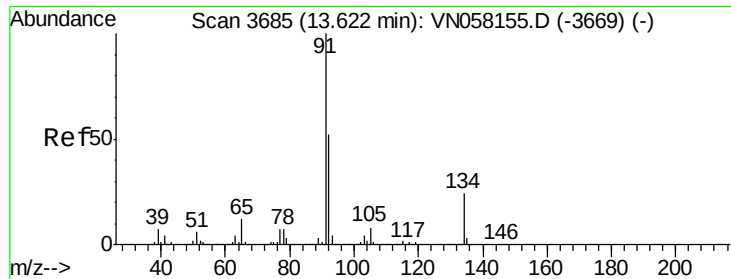
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 9/26/2019 1:00:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.384 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.2	31.9	95.5





#89

n-Butylbenzene

Concen: 52.334 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Instrument :

MSVOA_N

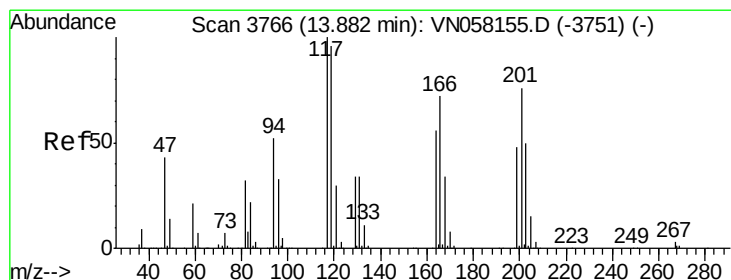
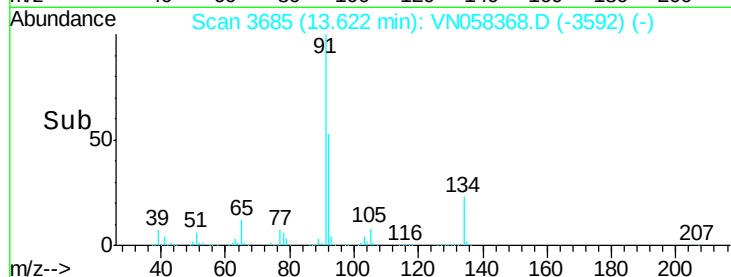
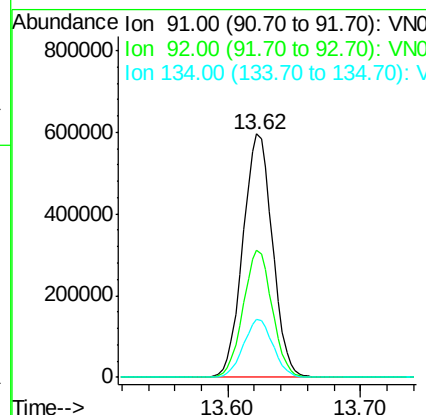
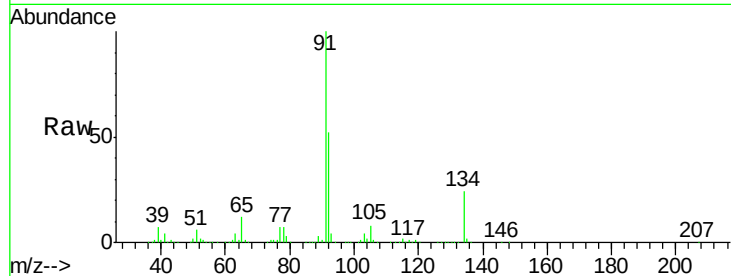
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	922282
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.0
134	24.0	11.8	35.4

Manual Integrations
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9/26/2019 1:00:25 PM



#90

Hexachloroethane

Concen: 48.579 ug/l

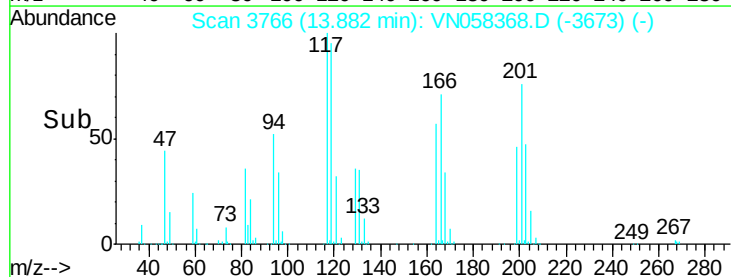
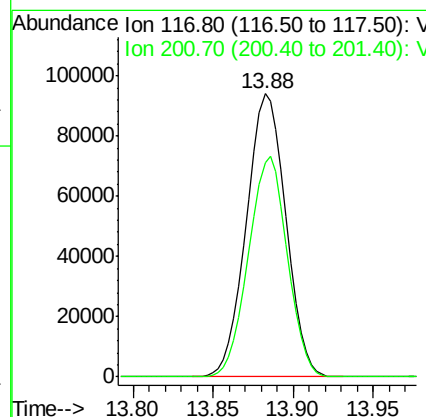
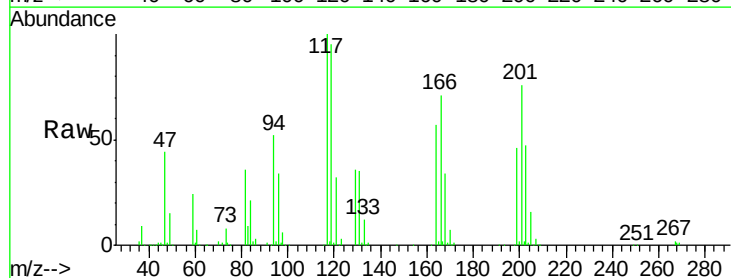
RT: 13.88 min Scan# 3766

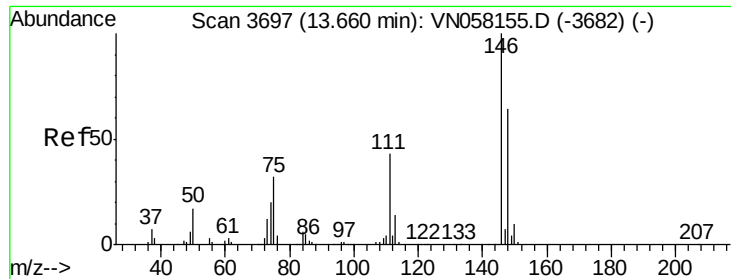
Delta R.T. 0.00 min

Lab File: VN058368.D

Acq: 25 Sep 2019 15:33

Tgt Ion:	117	Resp:	158067
Ion	Ratio	Lower	Upper
117	100		
201	76.4	37.5	112.5





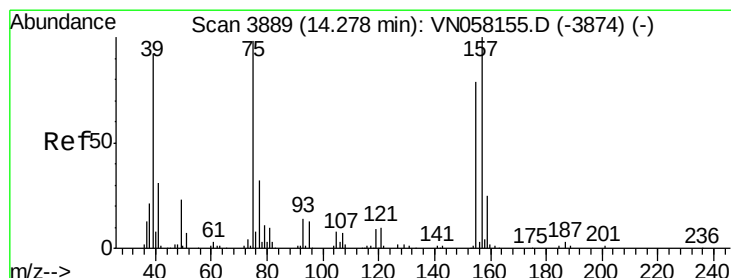
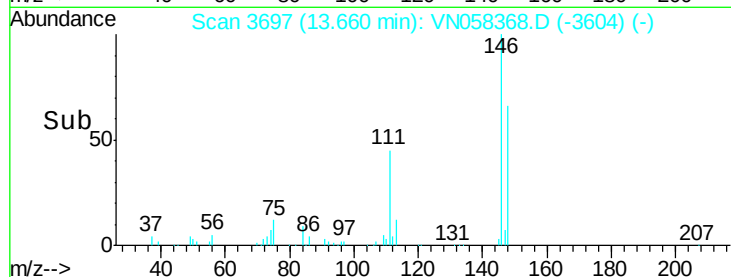
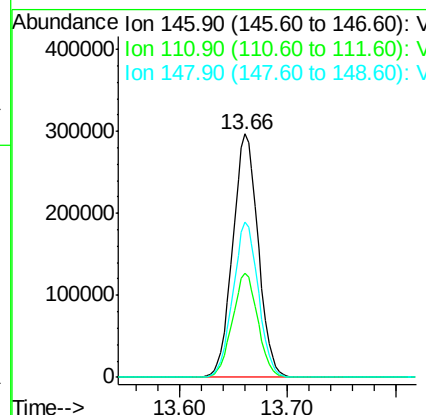
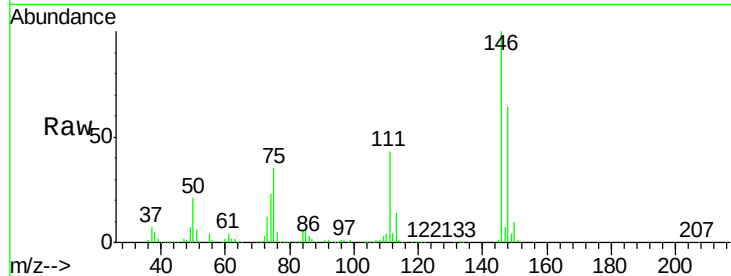
#91
 1,2-Dichlorobenzene
 Concen: 50.014 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.1
148	63.6	31.8	95.4

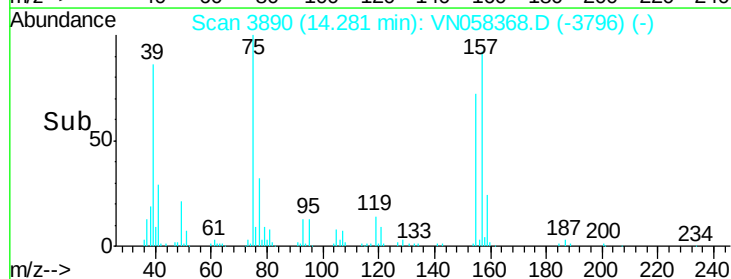
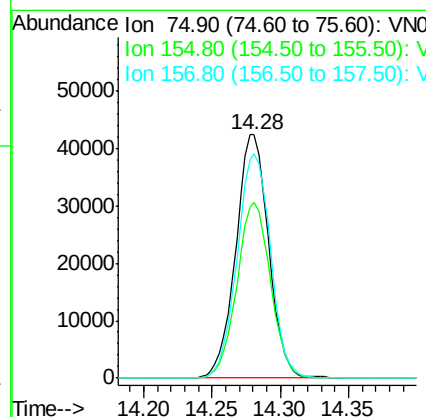
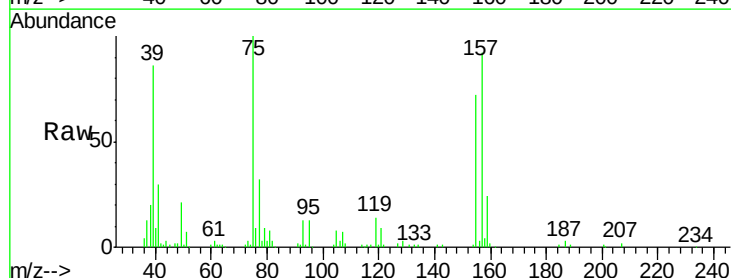
Manual Integrations
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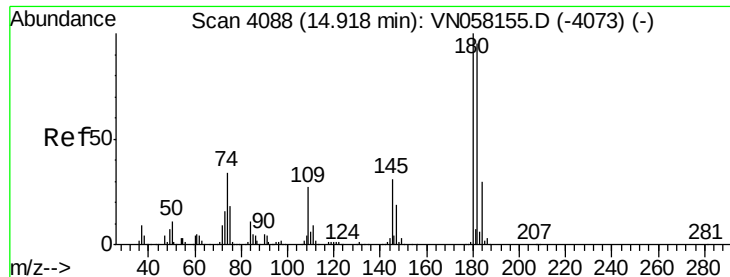
MMDadoda
 9/26/2019 1:00:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.446 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	38.3	114.8
157	93.8	48.0	144.0





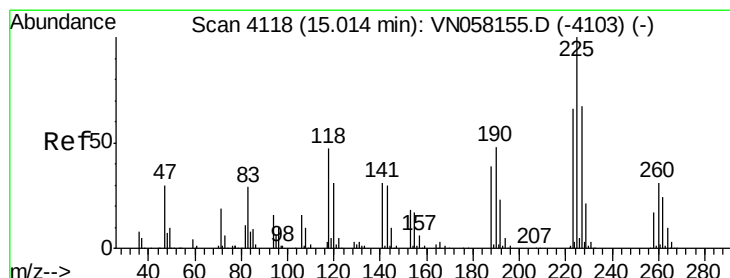
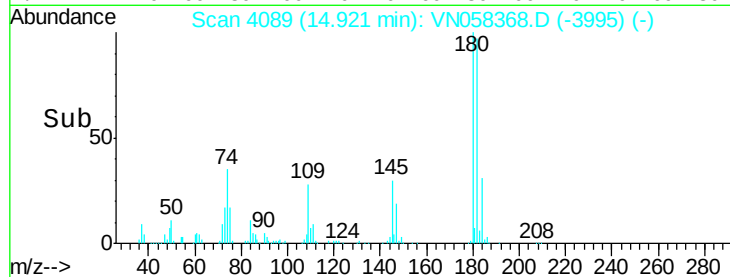
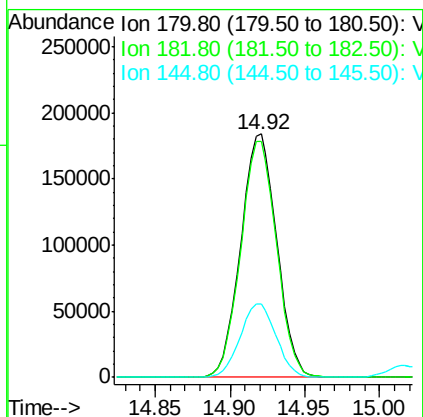
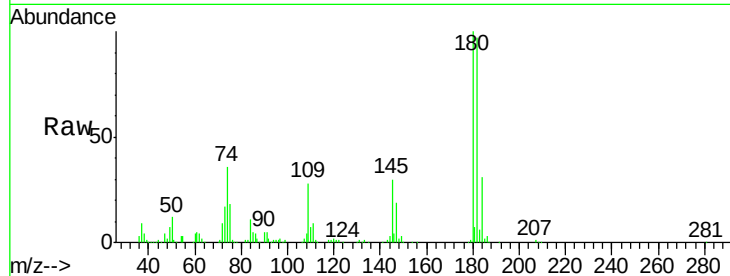
#93
 1,2,4-Trichlorobenzene
 Concen: 49.362 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	47.8	143.3	
145	30.2	15.4	46.4	

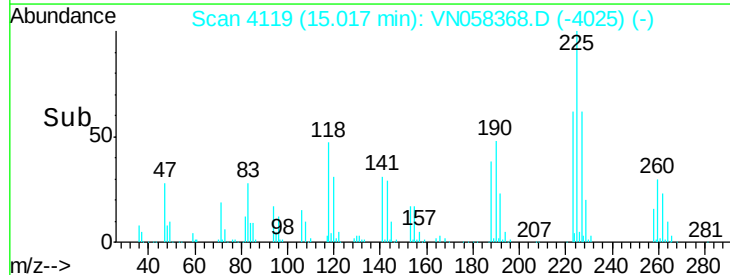
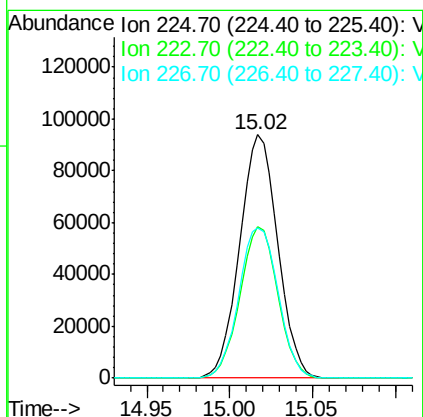
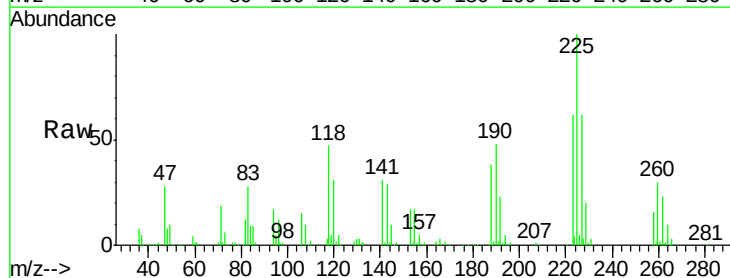
Manual Integrations
 APPROVED

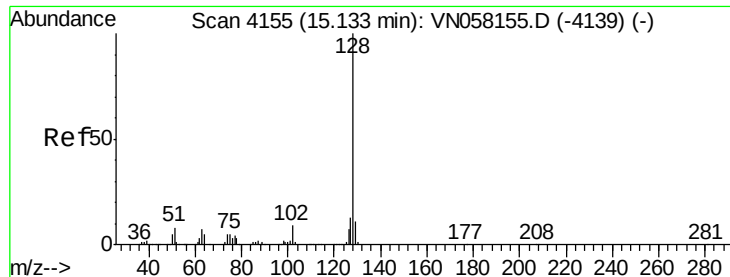
MMDadoda
 9/26/2019 1:00:25 PM



#94
 Hexachlorobutadiene
 Concen: 49.726 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058368.D
 Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	32.6	97.7	
227	63.8	33.0	99.0	





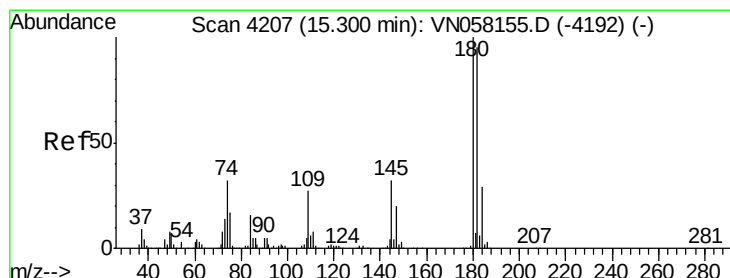
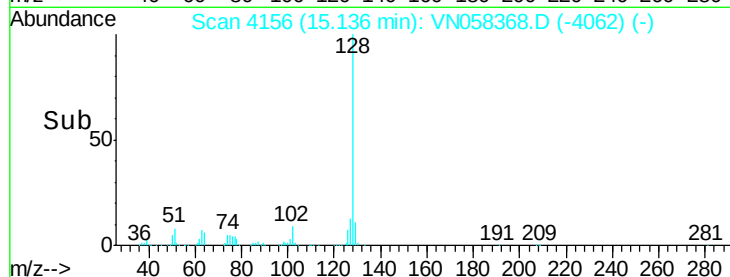
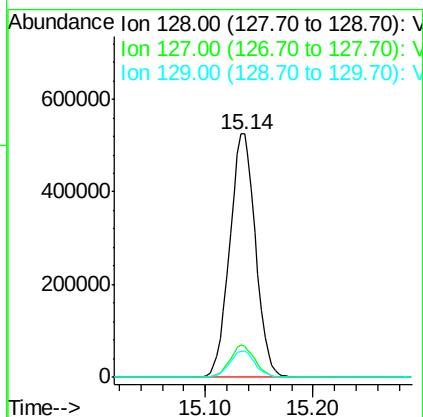
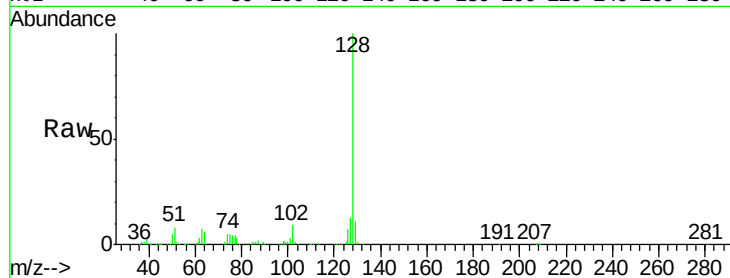
#95
Naphthalene
Concen: 54.185 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/26/2019 1:00:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.734 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058368.D
Acq: 25 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	32.3	16.1	48.2

