

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
 Data File : VN057110.D
 Acq On : 6 Aug 2019 17:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMdadoda
 8/9/2019 12:51:41 AM

Quant Time: Aug 07 04:40:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	387304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	568302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	501979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	213629	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	7.58	113	197507	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	10.08	98	715036	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.40	95	254383	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	195544	49.942	ug/l	98
3) Chloromethane	2.05	50	209887	44.766	ug/l	99
4) Vinyl Chloride	2.18	62	199077	45.283	ug/l	98
5) Bromomethane	2.51	94	101051	36.973	ug/l	99
6) Chloroethane	2.63	64	112145	46.275	ug/l	99
7) Trichlorofluoromethane	2.97	101	287487	49.956	ug/l	99
8) Diethyl Ether	3.39	74	114097	52.976	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	179360	50.270	ug/l	98
10) Methyl Iodide	3.92	142	201654	42.297	ug/l	99
11) Tert butyl alcohol	4.81	59	135565	252.973	ug/l	98
12) 1,1-Dichloroethene	3.71	96	170245	50.008	ug/l	99
13) Acrolein	3.59	56	57089	207.245	ug/l	97
14) Allyl chloride	4.30	41	270700	48.883	ug/l	97
15) Acrylonitrile	4.98	53	400178	254.644	ug/l	99
16) Acetone	3.81	43	304332	211.888	ug/l	97
17) Carbon Disulfide	4.02	76	365589	40.413	ug/l	99
18) Methyl Acetate	4.31	43	241922	52.800	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	560691	55.235	ug/l	98
20) Methylene Chloride	4.53	84	200815	48.538	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	177626	49.128	ug/l	98
22) Diisopropyl ether	5.94	45	593407	52.008	ug/l	99
23) Vinyl Acetate	5.88	43	2044231	258.583	ug/l	98
24) 1,1-Dichloroethane	5.82	63	346339	51.447	ug/l	100
25) 2-Butanone	6.83	43	485923	238.588	ug/l	97
26) 2,2-Dichloropropane	6.81	77	266419	52.047	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	220335	51.524	ug/l	98
28) Bromochloromethane	7.18	49	152098	48.067	ug/l	97
29) Tetrahydrofuran	7.20	42	319788	240.657	ug/l	98
30) Chloroform	7.36	83	352934	51.276	ug/l	99
31) Cyclohexane	7.64	56	292769	44.941	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	298799	54.407	ug/l	98
36) 1,1-Dichloropropene	7.78	75	248788	49.751	ug/l	100
37) Ethyl Acetate	6.92	43	197628	49.344	ug/l	97
38) Carbon Tetrachloride	7.76	117	255100	53.931	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	299473	46.856	ug/l	97
40) Benzene	8.03	78	779473	50.608	ug/l	99
41) Methacrylonitrile	7.17	41	110283	59.564	ug/l	86
42) 1,2-Dichloroethane	8.11	62	257743	53.394	ug/l	99
43) Isopropyl Acetate	8.16	43	352550	53.258	ug/l #	89
44) Trichloroethene	8.82	130	216161	50.942	ug/l	99
45) 1,2-Dichloropropane	9.11	63	215439	52.294	ug/l	98
46) Dibromomethane	9.20	93	132648	53.390	ug/l	98
47) Bromodichloromethane	9.39	83	267145	54.689	ug/l	99
48) Methyl methacrylate	9.19	41	168702	52.786	ug/l	99
49) 1,4-Dioxane	9.20	88	69742	1058.904	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1013757	257.744	ug/l	100
52) Toluene	10.15	92	488399	52.778	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	274877	54.227	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	322176	54.663	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	197808	53.302	ug/l	99
56) Ethyl methacrylate	10.42	69	277379	49.511	ug/l	99
57) 1,3-Dichloropropane	10.70	76	326876	53.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	444569	199.908	ug/l	98
59) 2-Hexanone	10.75	43	727556	240.300	ug/l	99
60) Dibromochloromethane	10.90	129	212620	55.922	ug/l	99
61) 1,2-Dibromoethane	11.00	107	200061	55.241	ug/l	99
64) Tetrachloroethene	10.63	164	207949	48.072	ug/l	99
65) Chlorobenzene	11.43	112	535992	52.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	208116	54.045	ug/l	99
67) Ethyl Benzene	11.51	91	931226	52.664	ug/l	100
68) m/p-Xylenes	11.62	106	697928	106.949	ug/l	99
69) o-Xylene	11.94	106	343174	53.751	ug/l	99
70) Styrene	11.96	104	580683	51.403	ug/l	100
71) Bromoform	12.12	173	156609	58.251	ug/l #	98
73) Isopropylbenzene	12.25	105	927502	47.258	ug/l	100
74) N-amyl acetate	12.07	43	294685	51.711	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	276447	56.036	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	226468m	49.106	ug/l	
77) Bromobenzene	12.52	156	252891	49.371	ug/l	99
78) n-propylbenzene	12.59	91	999209	47.682	ug/l	99
79) 2-Chlorotoluene	12.67	91	622028	48.206	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	792726	49.214	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	76646	53.398	ug/l	98
82) 4-Chlorotoluene	12.77	91	608472	50.389	ug/l	100
83) tert-Butylbenzene	12.99	119	721606	50.606	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	778916	50.256	ug/l	100
85) sec-Butylbenzene	13.17	105	904220	49.162	ug/l	99
86) p-Isopropyltoluene	13.29	119	818279	50.110	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	412603	52.955	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	390903	52.115	ug/l	100
89) n-Butylbenzene	13.61	91	604796	48.056	ug/l	99
90) Hexachloroethane	13.87	117	143505	51.037	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	416748	54.345	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42990	55.073	ug/l	97

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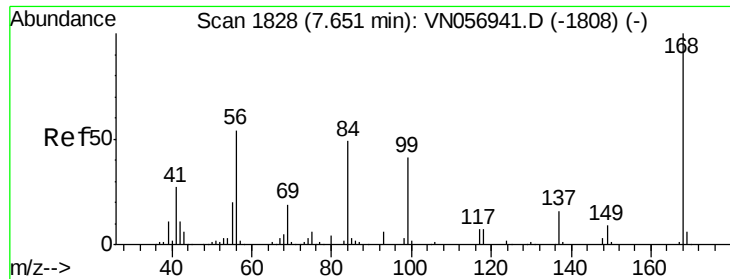
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186459	47.289	ug/l	99
94) Hexachlorobutadiene	15.01	225	158509	59.827	ug/l	98
95) Naphthalene	15.12	128	454353	47.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	205753	51.408	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 387304

Ion Ratio Lower Upper

168 100

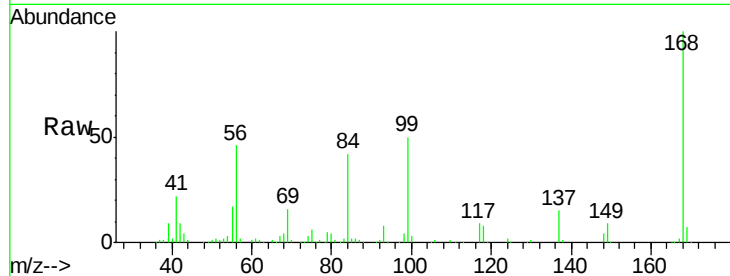
99 49.9 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

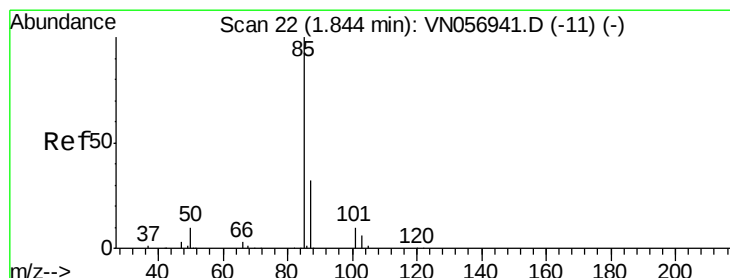
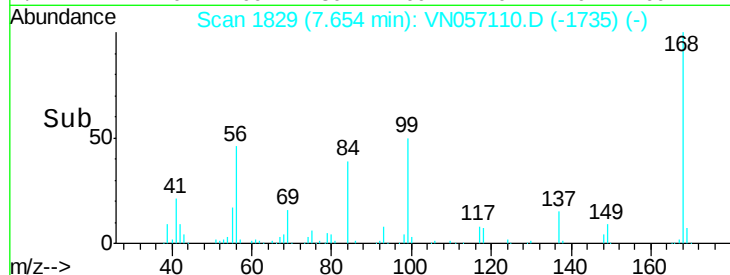
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.942 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057110.D

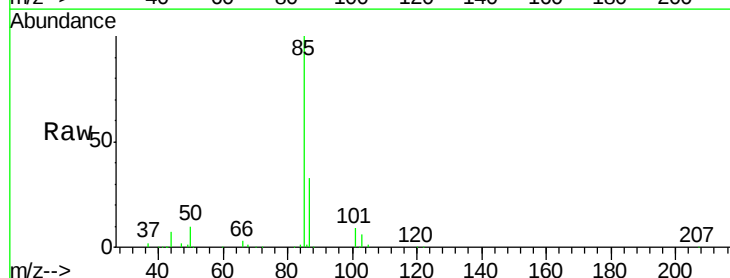
Acq: 6 Aug 2019 17:59

Tgt Ion: 85 Resp: 195544

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

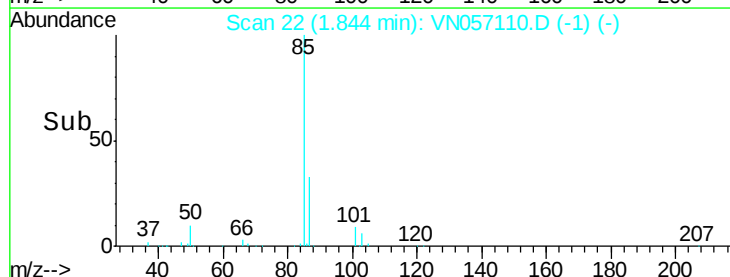
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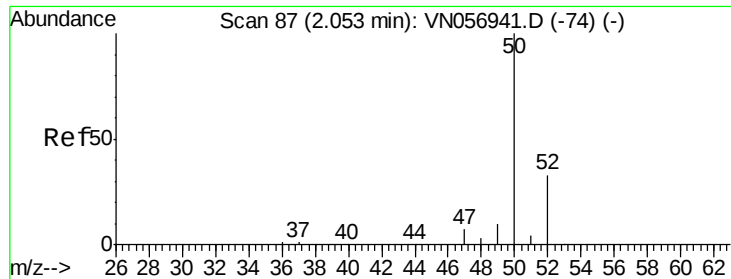
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.766 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 209887

Ion Ratio Lower Upper

50 100

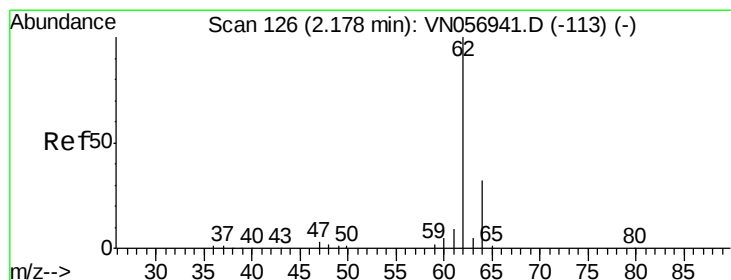
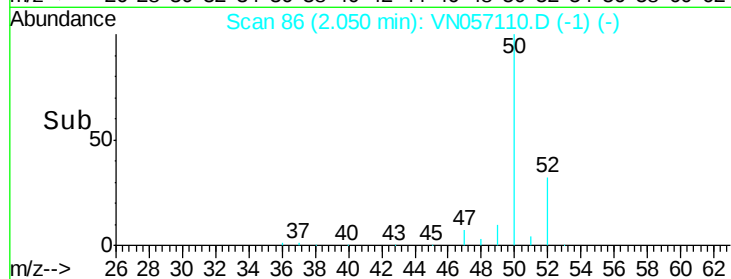
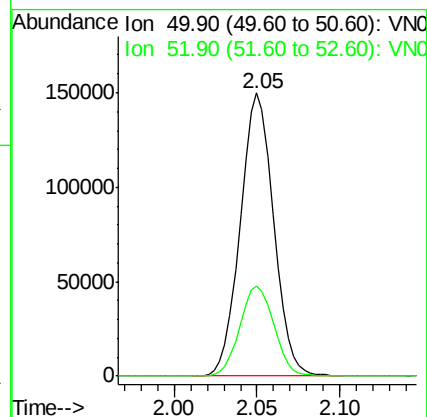
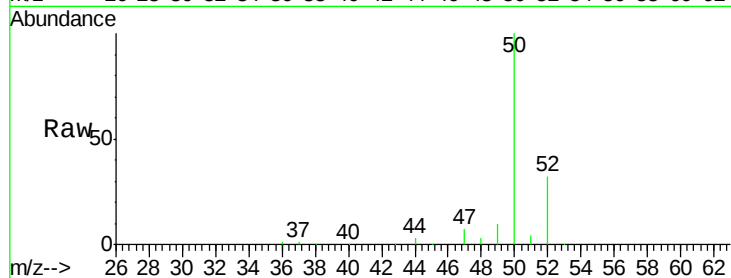
52 32.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.283 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057110.D

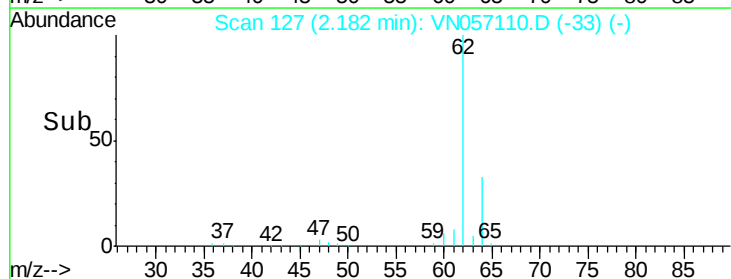
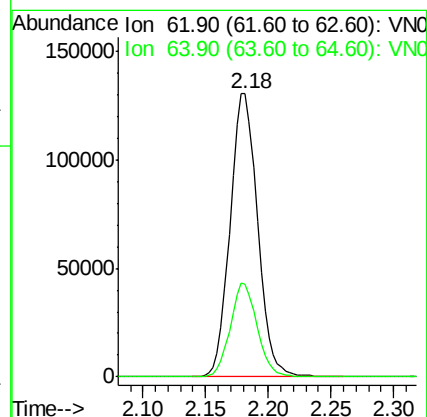
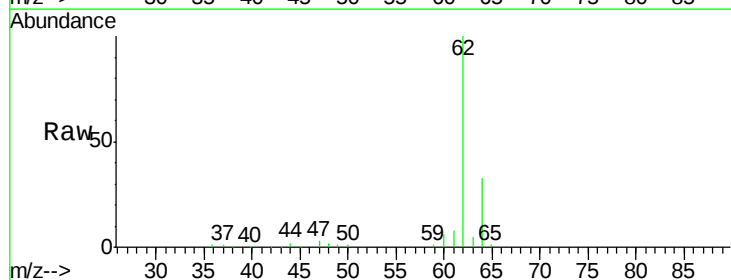
Acq: 6 Aug 2019 17:59

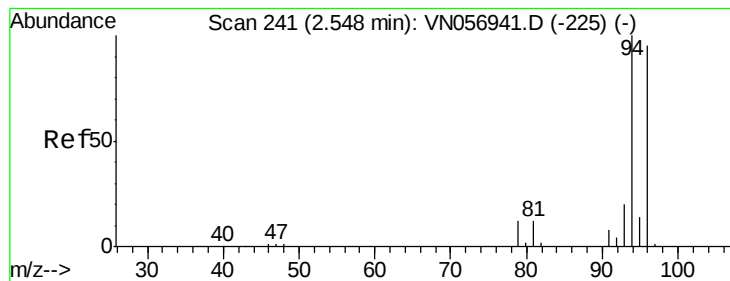
Tgt Ion: 62 Resp: 199077

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.0





#5

Bromomethane

Concen: 36.973 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.04 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 101051

Ion Ratio Lower Upper

94 100

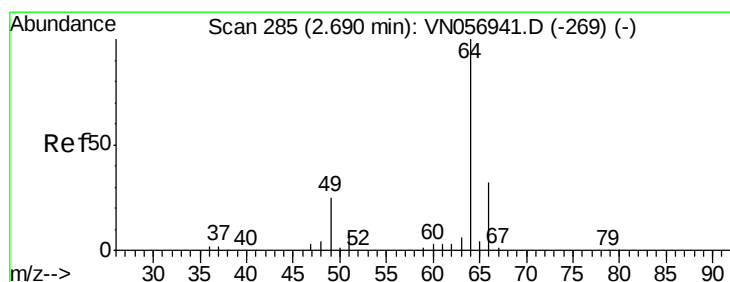
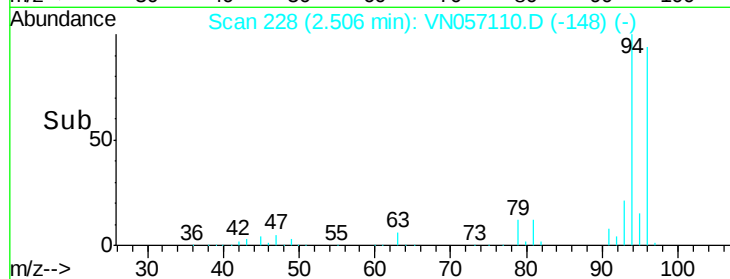
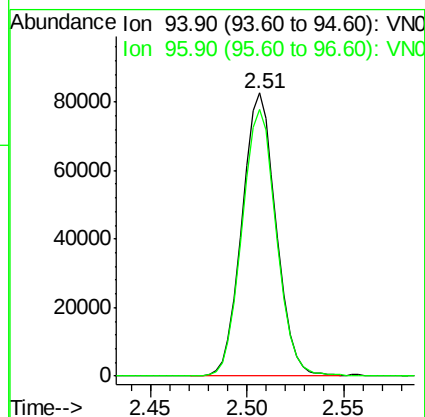
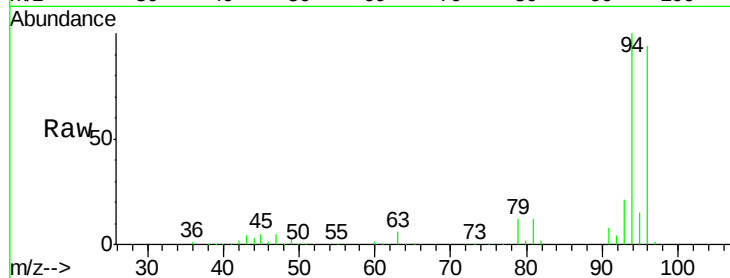
96 94.2 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 46.275 ug/l

RT: 2.63 min Scan# 266

Delta R.T. -0.06 min

Lab File: VN057110.D

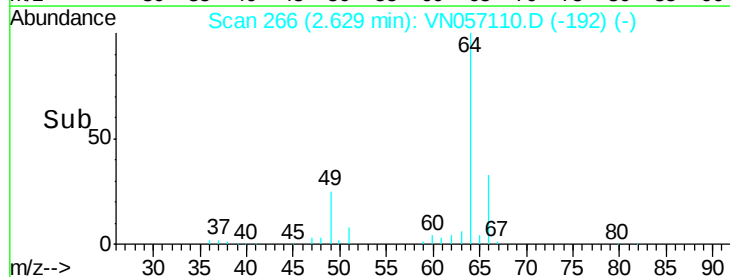
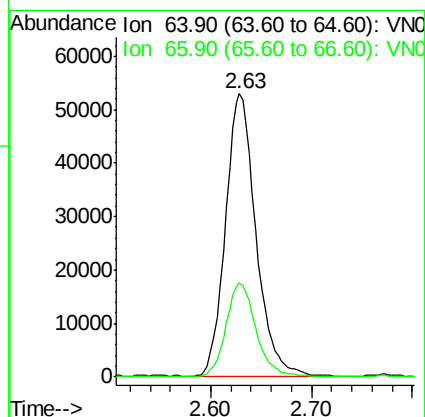
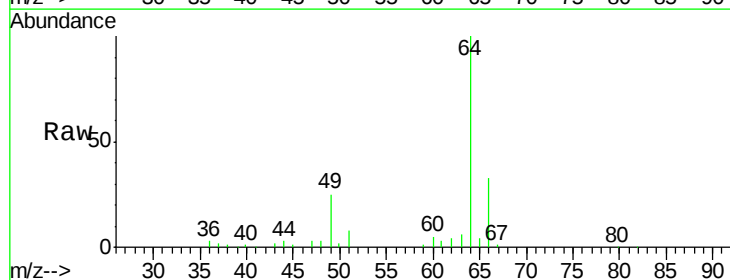
Acq: 6 Aug 2019 17:59

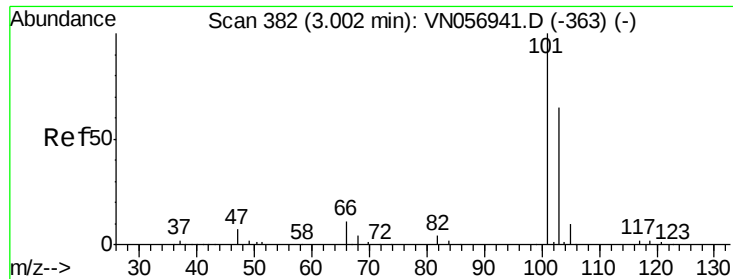
Tgt Ion: 64 Resp: 112145

Ion Ratio Lower Upper

64 100

66 33.0 25.8 38.8





#7

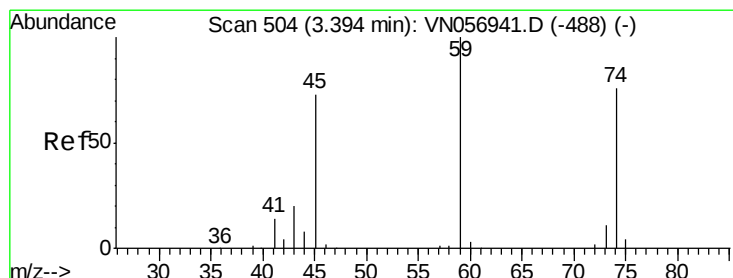
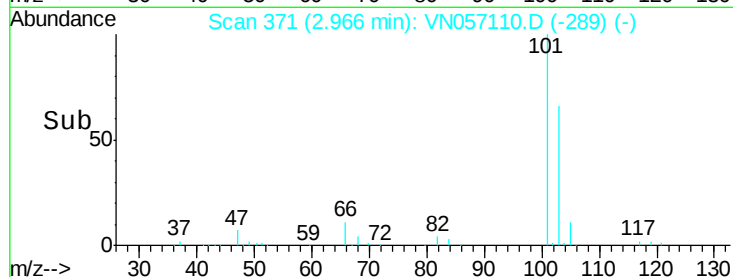
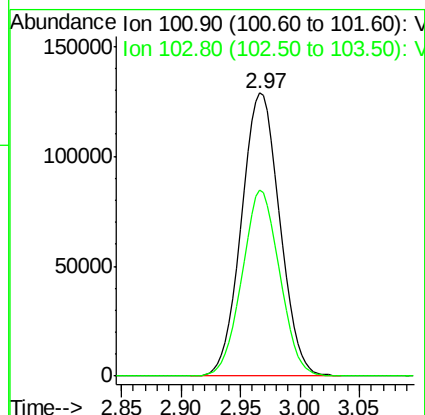
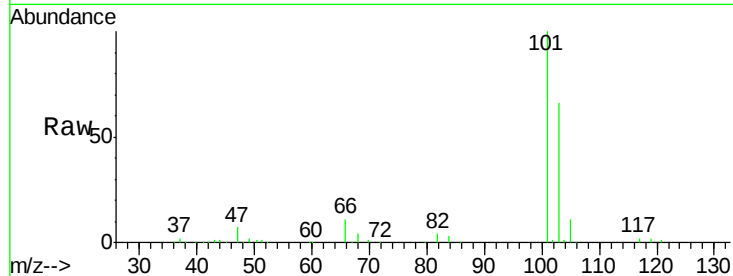
Trichlorofluoromethane
Concen: 49.956 ug/l
RT: 2.97 min Scan# 371
Delta R.T. -0.04 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 287487
Ion Ratio Lower Upper
101 100
103 65.9 52.1 78.1

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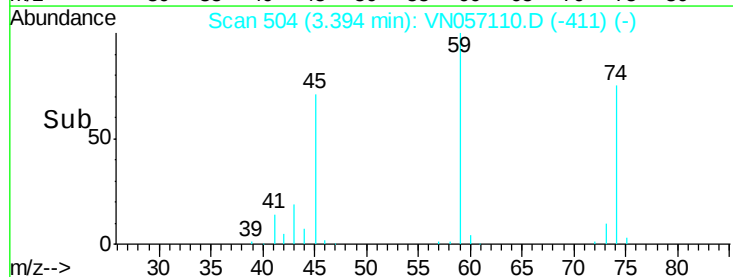
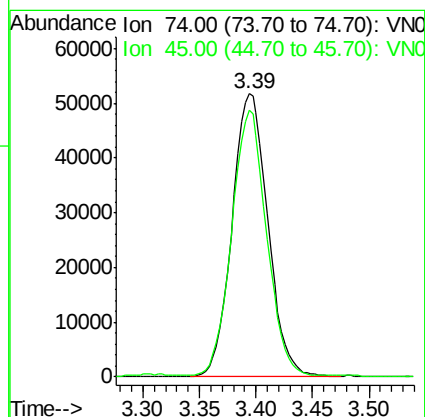
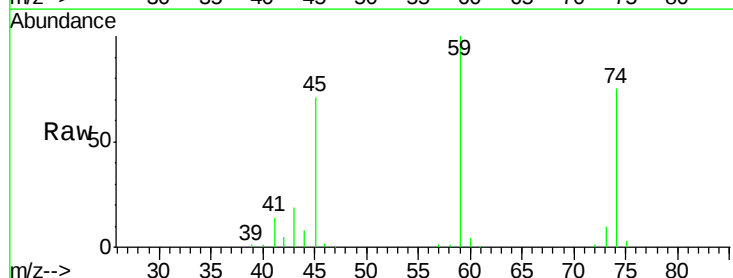
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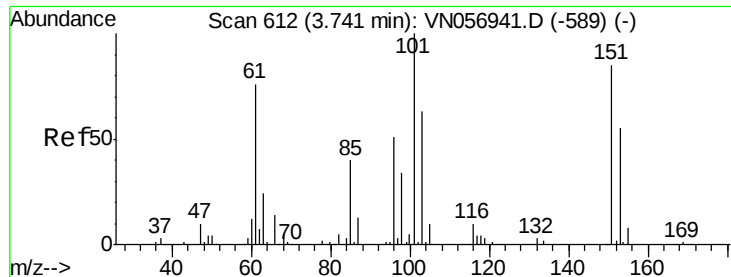


#8

Diethyl Ether
Concen: 52.976 ug/l
RT: 3.39 min Scan# 504
Delta R.T. -0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 74 Resp: 114097
Ion Ratio Lower Upper
74 100
45 90.8 48.1 144.3





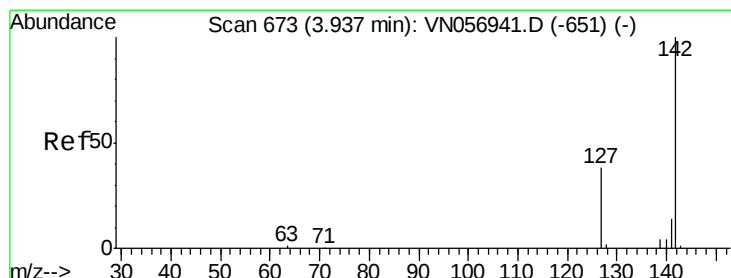
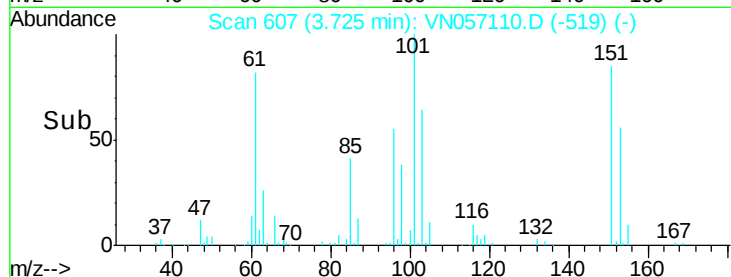
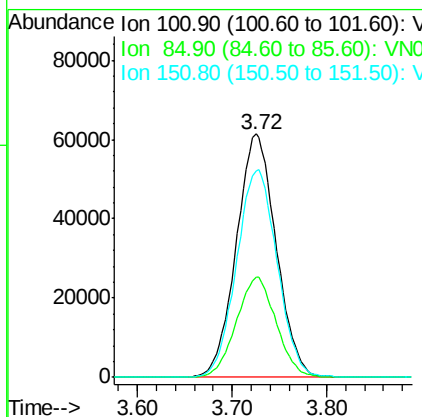
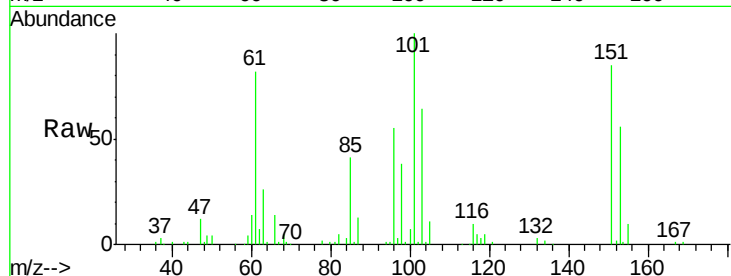
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.270 ug/l
 RT: 3.72 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	179360		
85	41.0	32.3	48.5	
151	87.1	68.0	102.0	

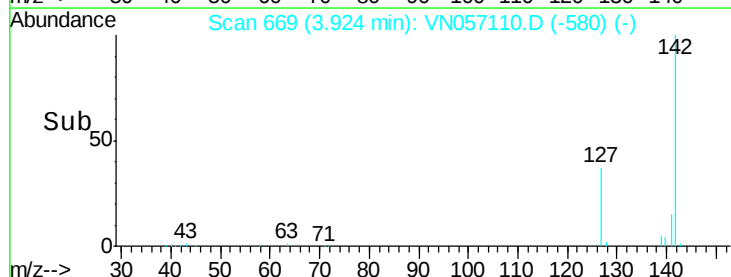
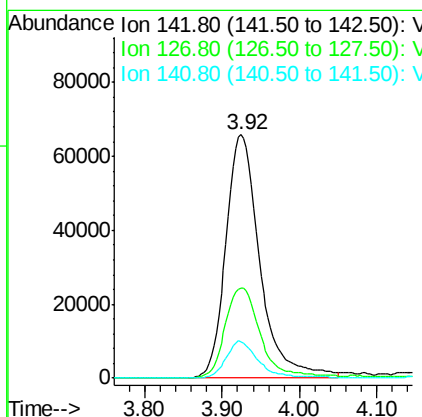
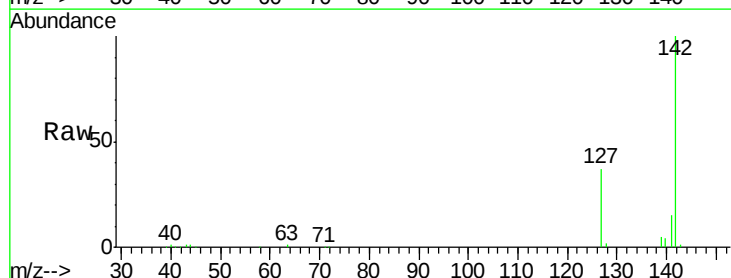
Manual Integrations
 APPROVED

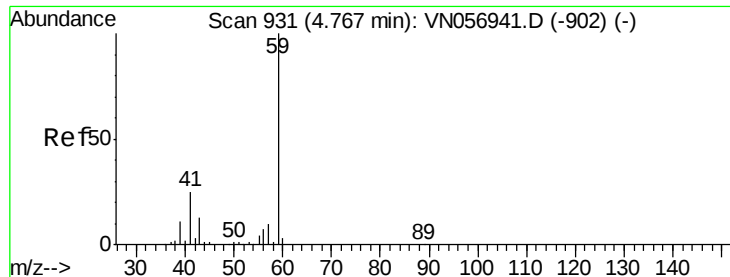
MMDadoda
 8/9/2019 12:51:41 AM



#10
 Methyl Iodide
 Concen: 42.297 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	201654		
127	38.8	30.4	45.6	
141	14.2	11.1	16.7	





#11

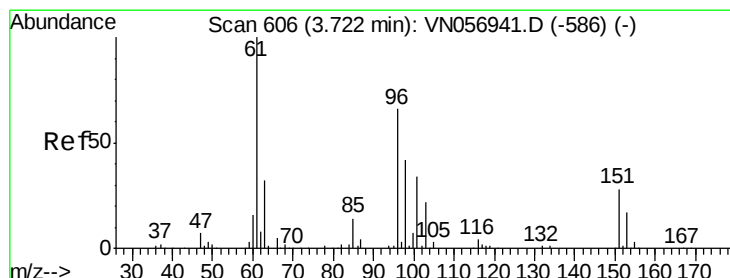
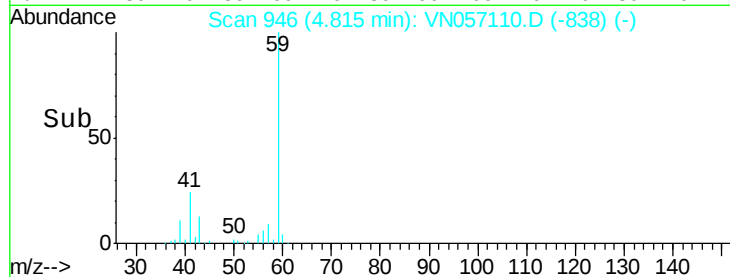
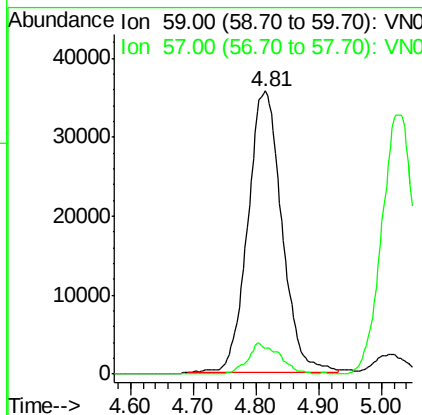
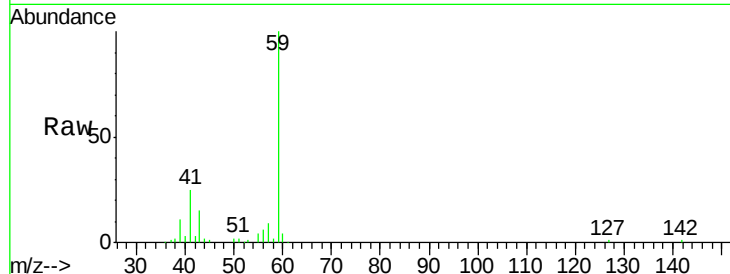
Tert butyl alcohol
 Concen: 252.973 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.05 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.5	11.3

Manual Integrations
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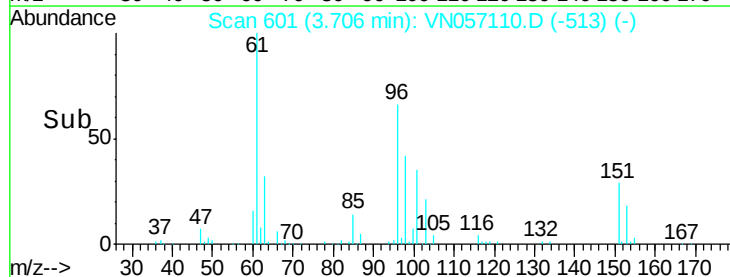
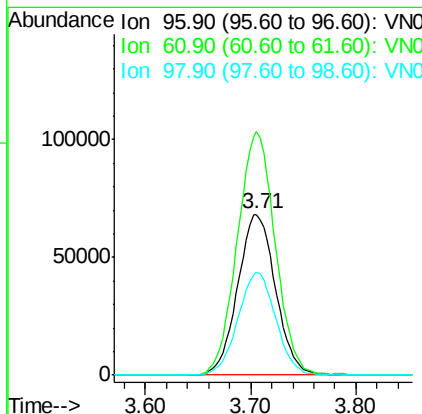
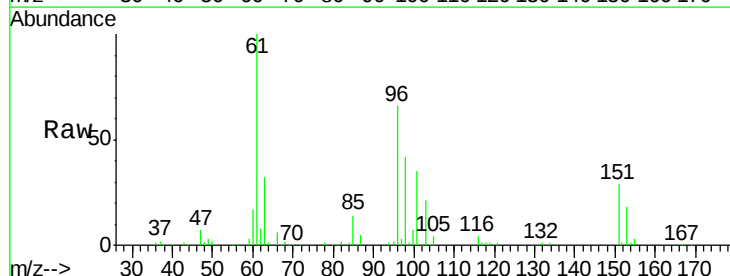
MMDadoda
 8/9/2019 12:51:41 AM

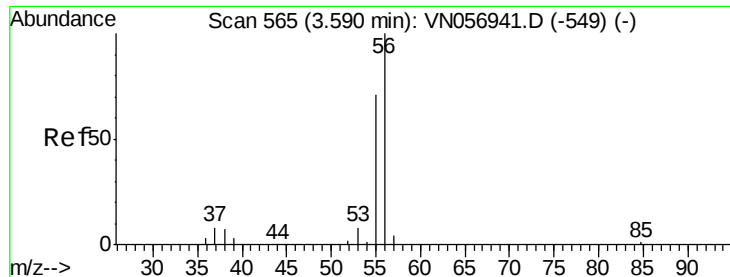


#12

1,1-Dichloroethene
 Concen: 50.008 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	121.8	182.8
98	64.1	51.7	77.5





#13

Acrolein

Concen: 207.245 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 57089

Ion Ratio Lower Upper

56 100

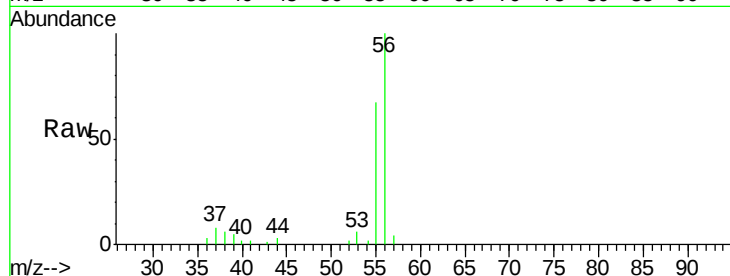
55 67.5 55.8 83.6

Manual Integrations

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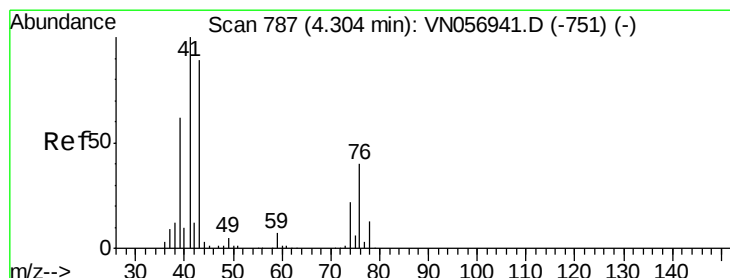
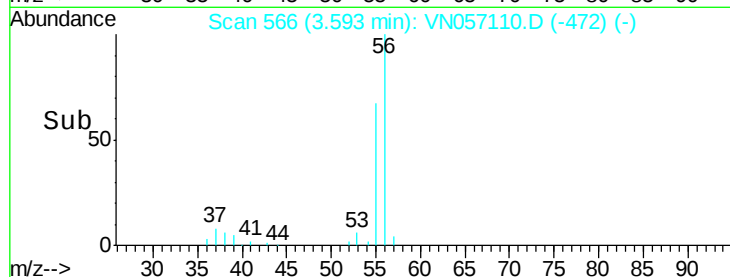
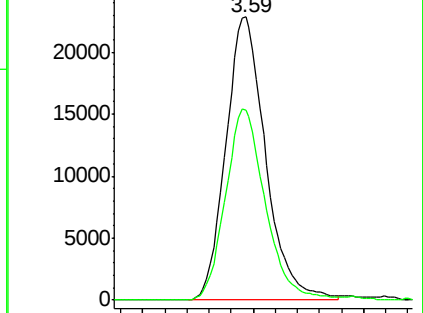
MMdadoda

8/9/2019 12:51:41 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.883 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

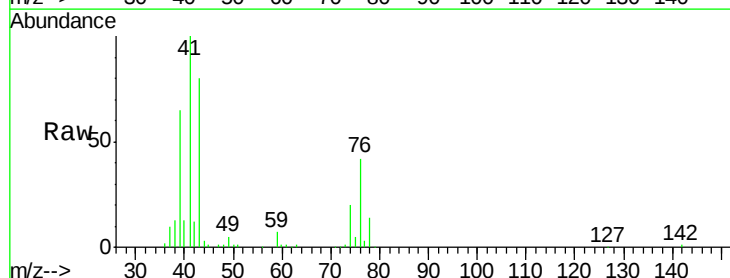
Tgt Ion: 41 Resp: 270700

Ion Ratio Lower Upper

41 100

39 60.7 46.4 69.6

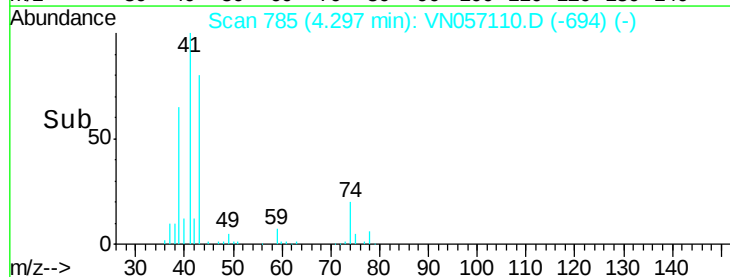
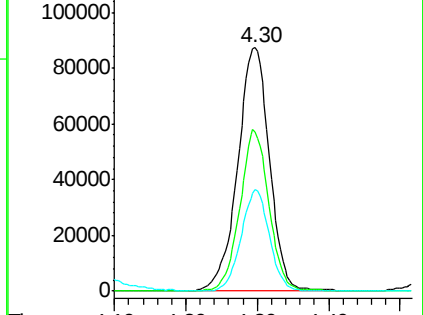
76 37.0 28.4 42.6

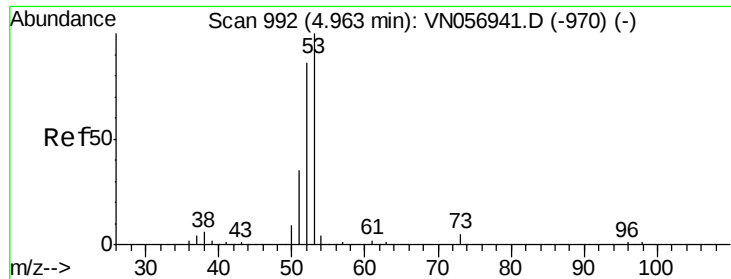


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 254.644 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

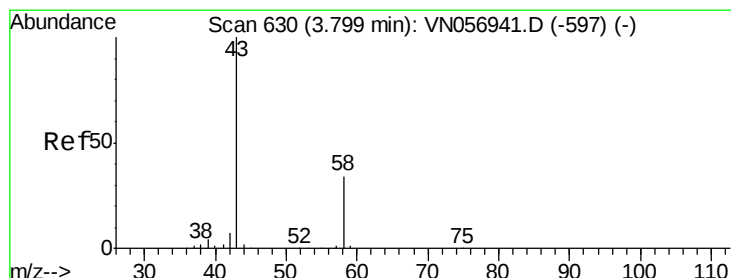
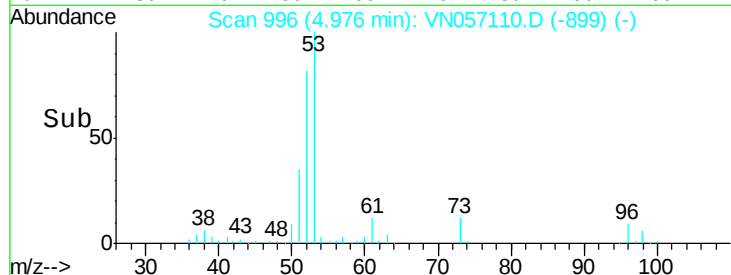
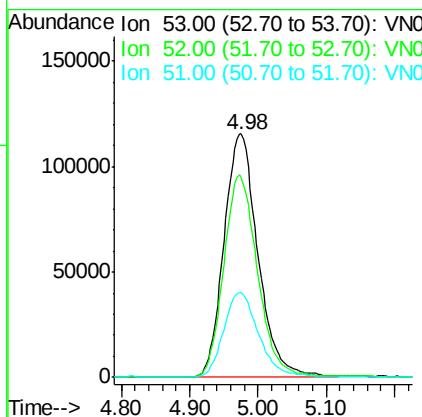
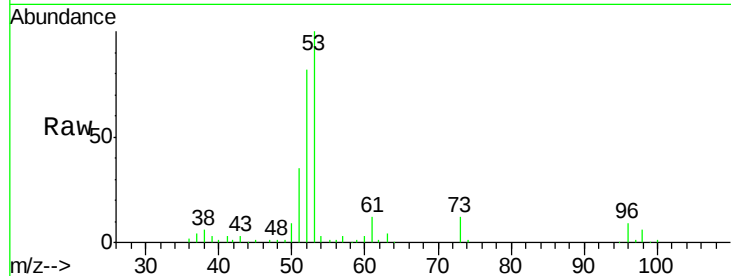
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	400178
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	35.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 211.888 ug/l

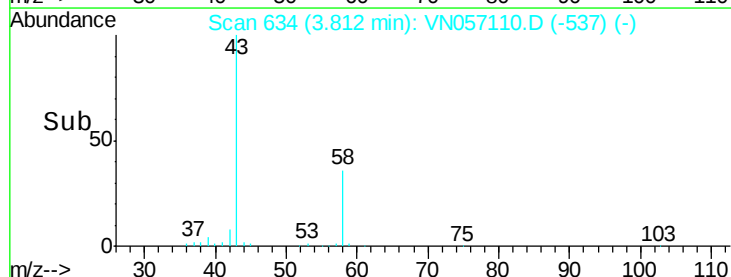
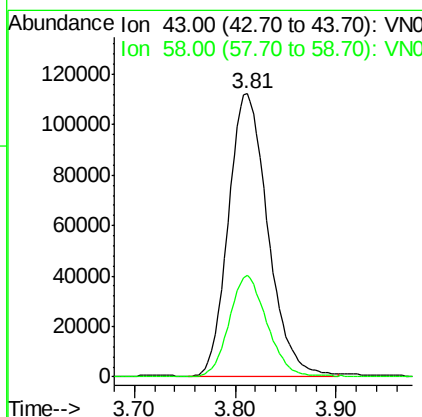
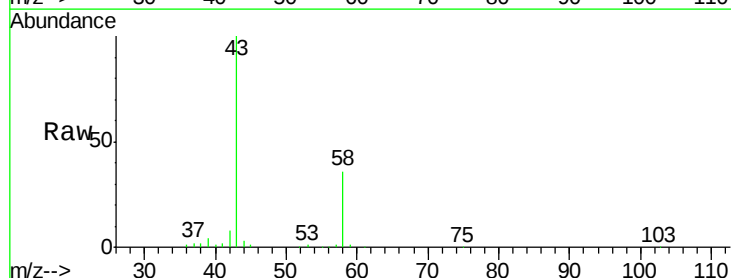
RT: 3.81 min Scan# 634

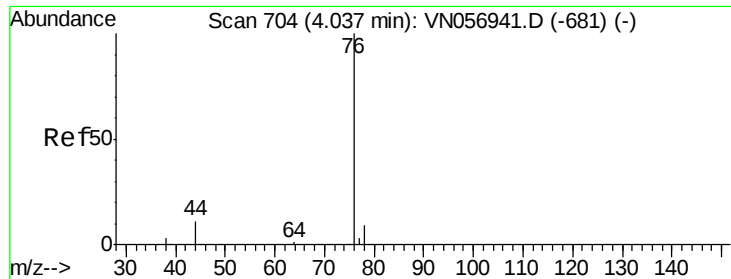
Delta R.T. 0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Tgt Ion:	43	Resp:	304332
Ion	Ratio	Lower	Upper
43	100		
58	35.9	27.2	40.8





#17

Carbon Disulfide

Concen: 40.413 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 365589

Ion Ratio Lower Upper

76 100

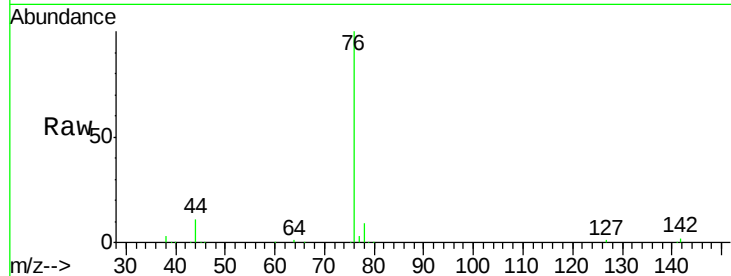
78 9.3 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN057110.D (-611) (-)

Ion 77.90 (77.60 to 78.60): VN057110.D (-611) (-)

4.02

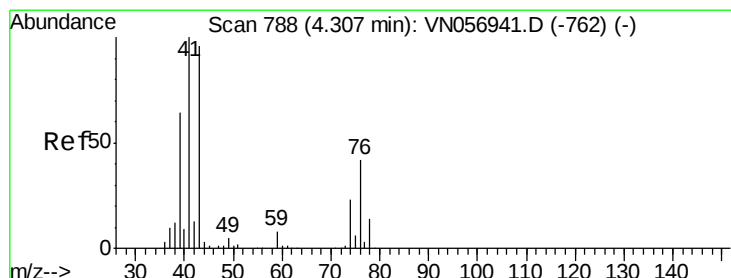
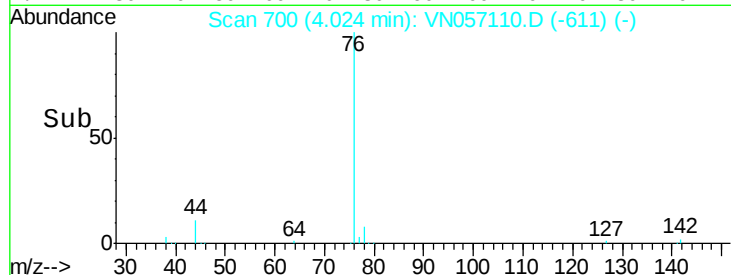
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.800 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057110.D

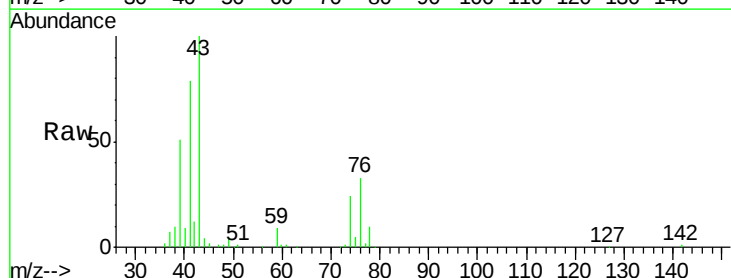
Acq: 6 Aug 2019 17:59

Tgt Ion: 43 Resp: 241922

Ion Ratio Lower Upper

43 100

74 25.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN057110.D (-695) (-)

Ion 74.00 (73.70 to 74.70): VN057110.D (-695) (-)

4.31

100000

80000

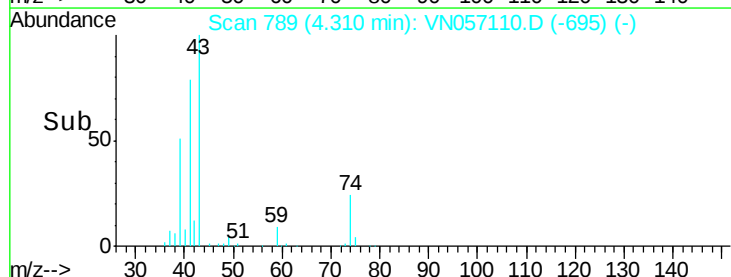
60000

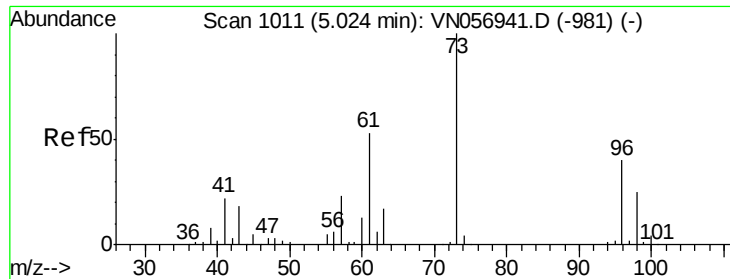
40000

20000

0

Time-->





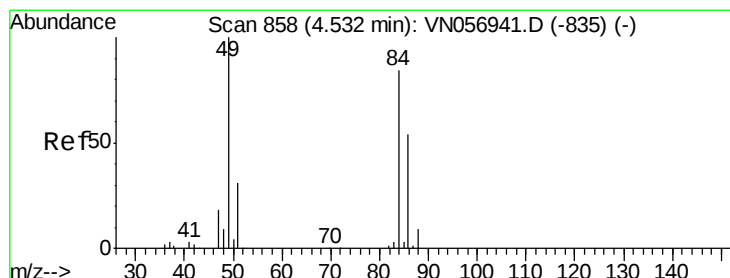
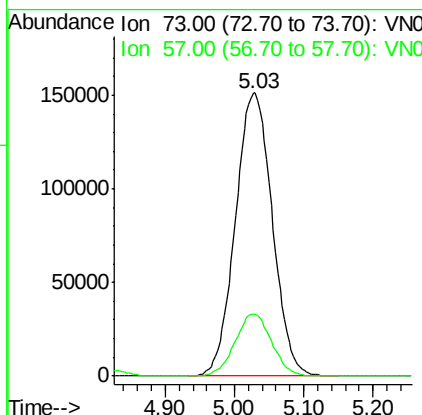
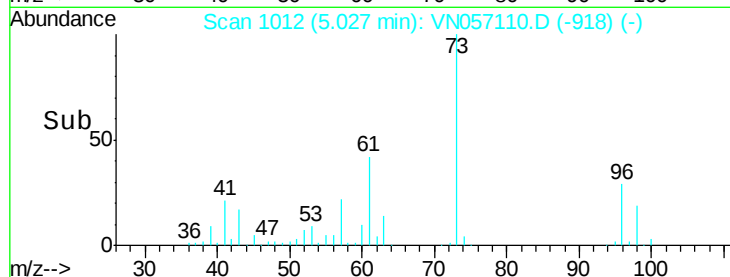
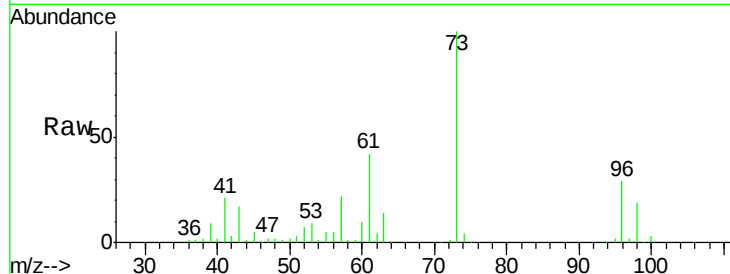
#19
Methvl tert-butvl Ether
Concen: 55.235 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 560691
Ion Ratio Lower Upper
73 100
57 21.7 18.3 27.5

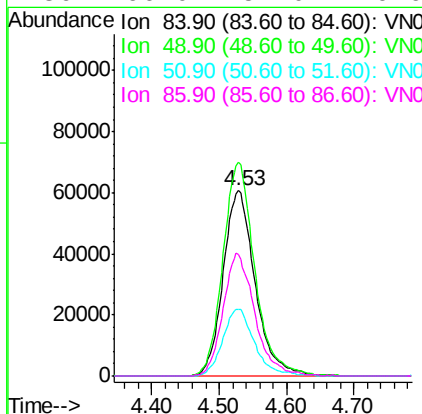
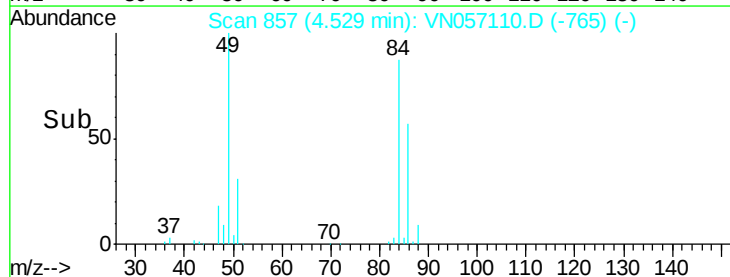
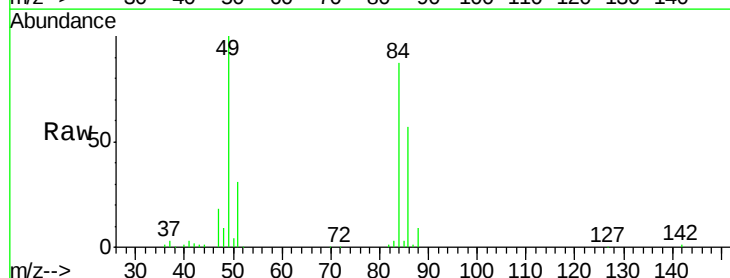
Manual Integrations
APPROVED

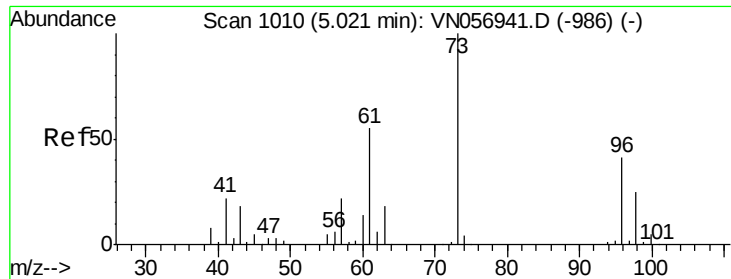
MMdadoda
8/9/2019 12:51:41 AM



#20
Methylene Chloride
Concen: 48.538 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 84 Resp: 200815
Ion Ratio Lower Upper
84 100
49 115.4 95.2 142.8
51 36.1 29.7 44.5
86 66.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.128 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 177626

Ion Ratio Lower Upper

96 100

61 132.2 107.5 161.3

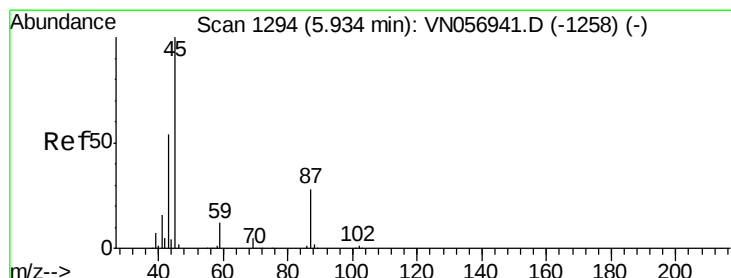
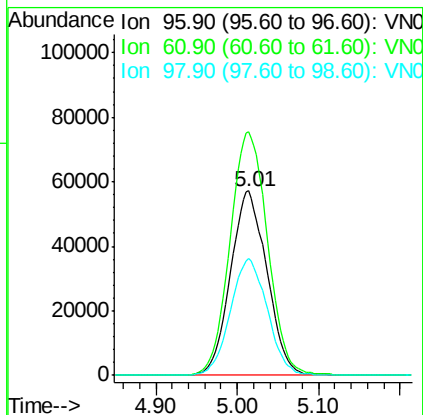
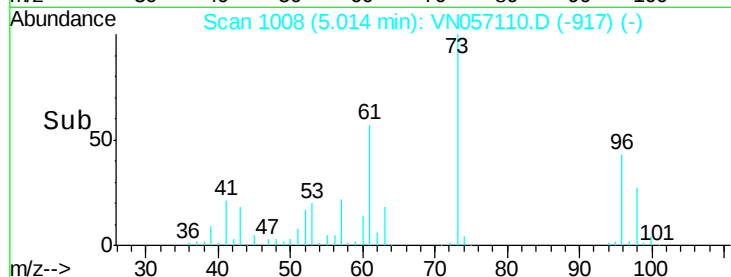
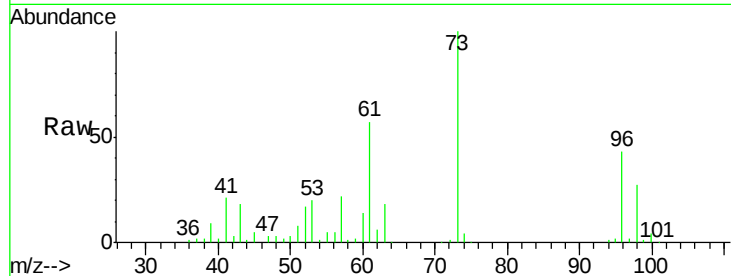
98 63.5 49.9 74.9

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.008 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Tgt Ion: 45 Resp: 593407

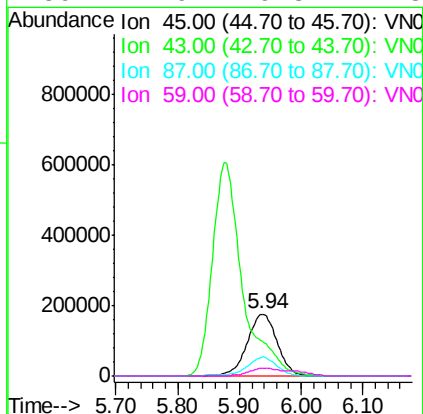
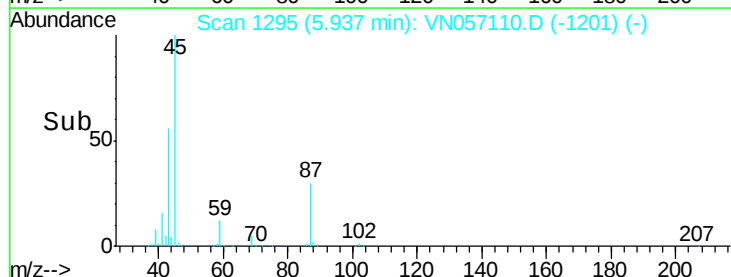
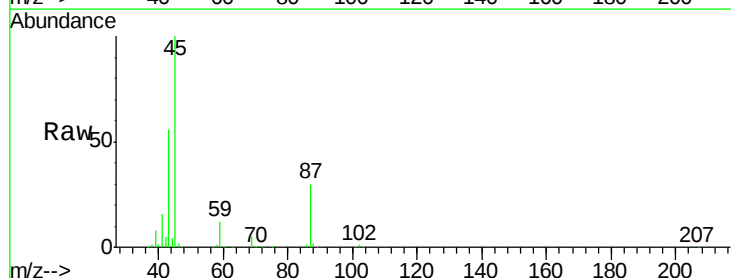
Ion Ratio Lower Upper

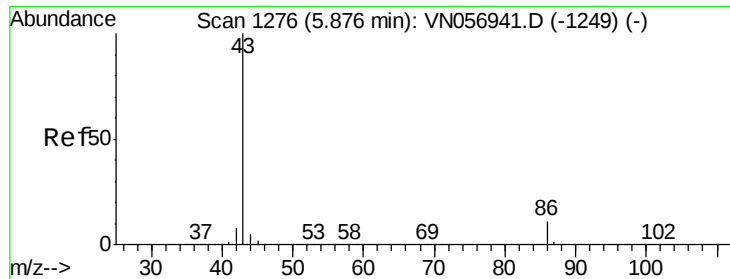
45 100

43 55.3 44.7 67.1

87 30.4 23.0 34.6

59 11.9 9.8 14.8





#23

Vinyl Acetate

Concen: 258.583 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2044231

Ion Ratio Lower Upper

43 100

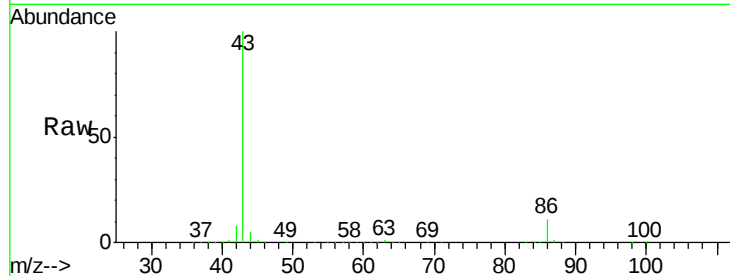
86 11.2 8.5 12.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

600000

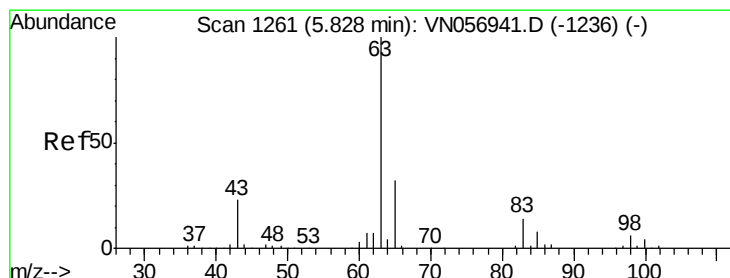
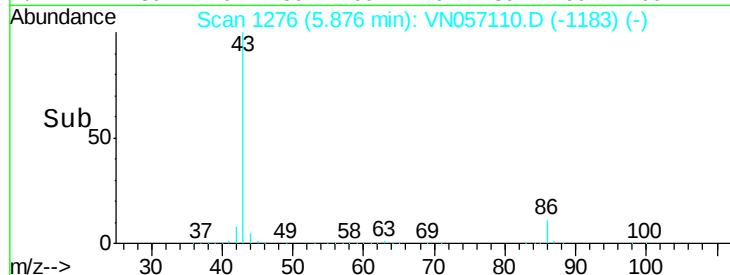
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 51.447 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

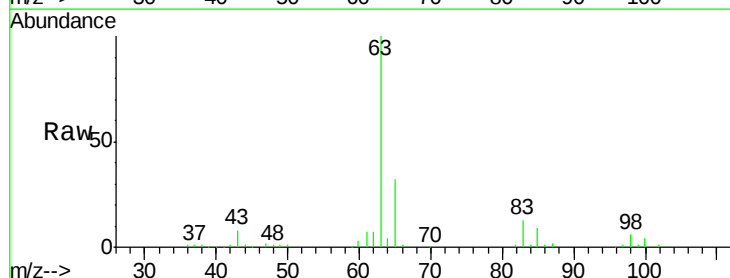
Tgt Ion: 63 Resp: 346339

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

100 3.9 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

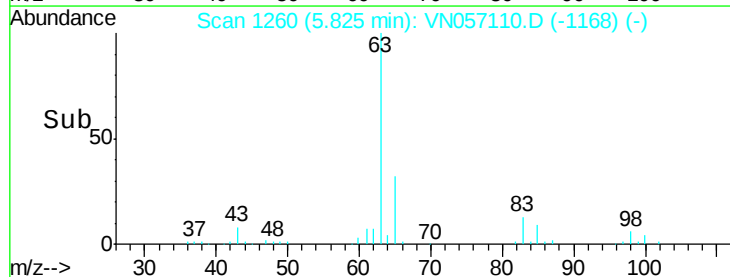
100000

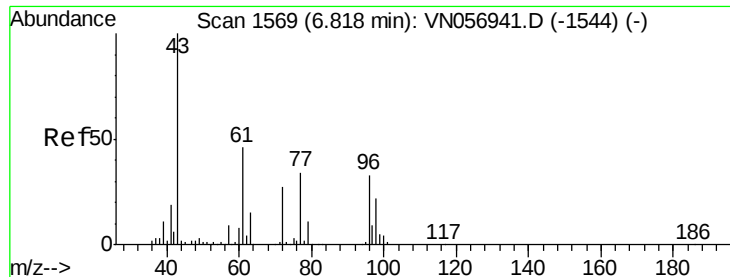
50000

0

5.70 5.80 5.90

Time-->





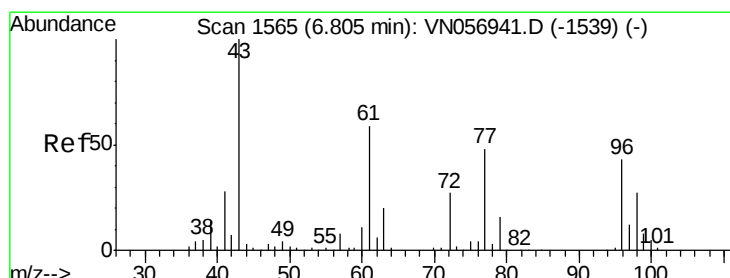
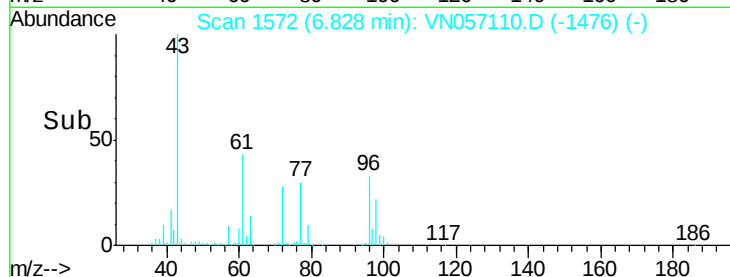
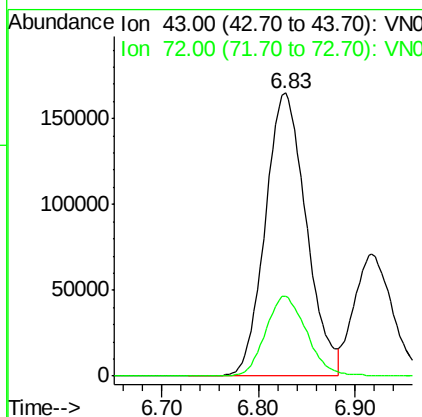
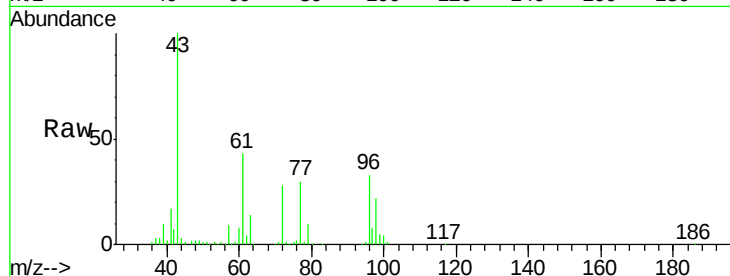
#25
2-Butanone
Concen: 238.588 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 485923
Ion Ratio Lower Upper
43 100
72 28.3 21.5 32.3

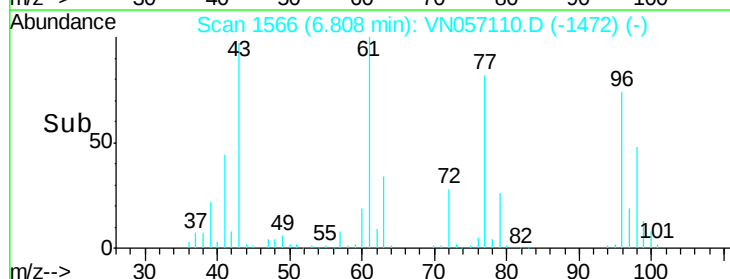
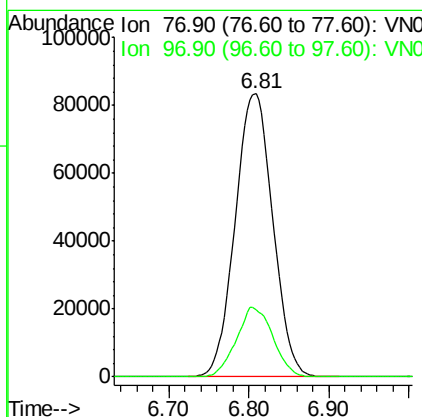
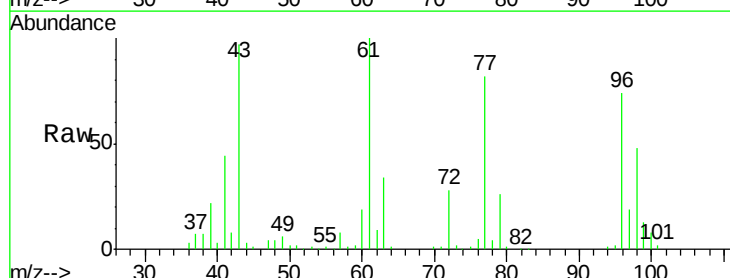
Manual Integrations
APPROVED

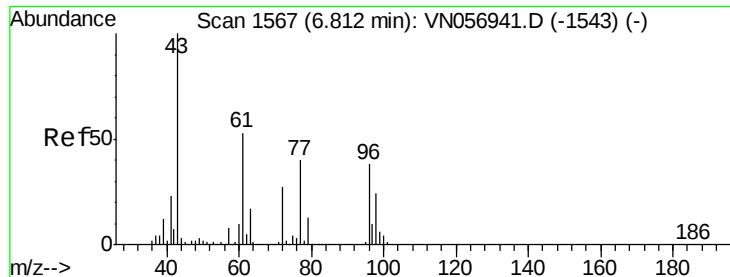
MMdadoda
8/9/2019 12:51:41 AM



#26
2,2-Dichloropropane
Concen: 52.047 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 77 Resp: 266419
Ion Ratio Lower Upper
77 100
97 23.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.524 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

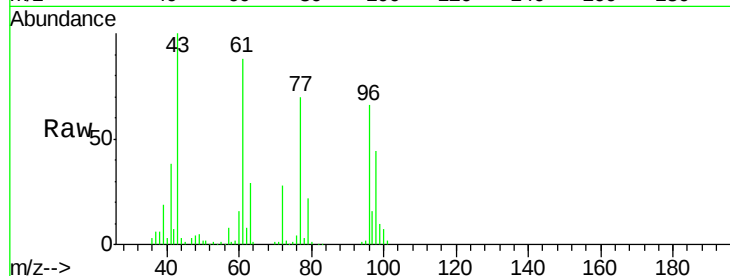
ClientSampleId :

VSTDCCC050EC

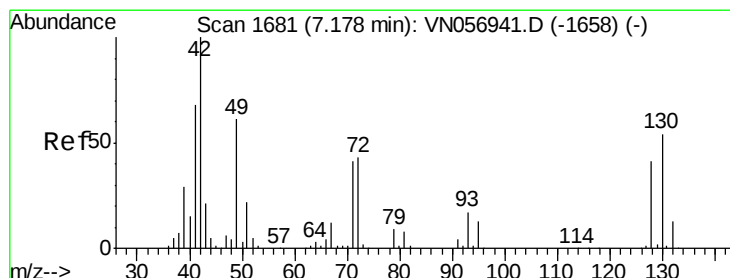
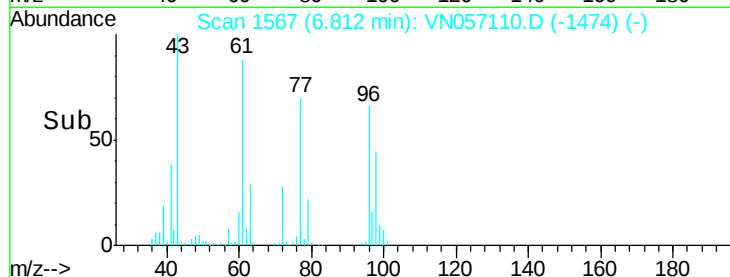
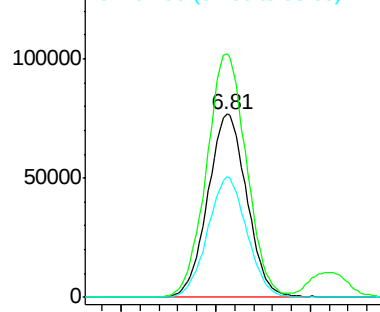
Tot Ion:	96	Resp:	220335
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	277.2
98	66.1	0.0	128.4

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Abundance Ion 95.90 (95.60 to 96.60): VN057110.D (-1474) (-)



#28

Bromochloromethane

Concen: 48.067 ug/l

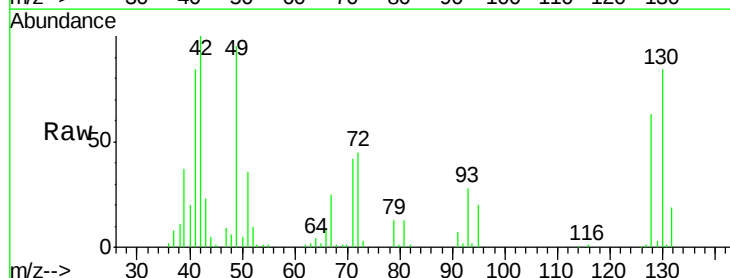
RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

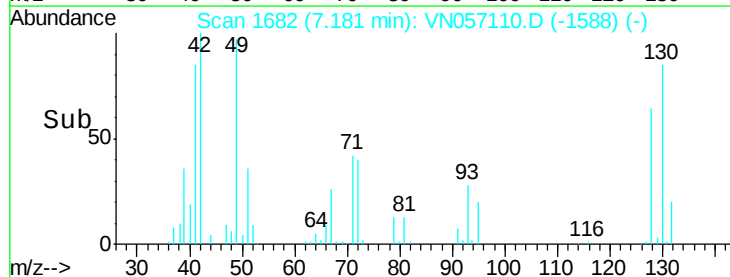
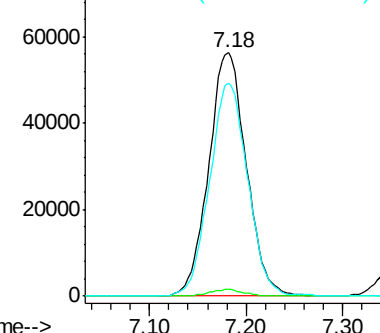
Lab File: VN057110.D

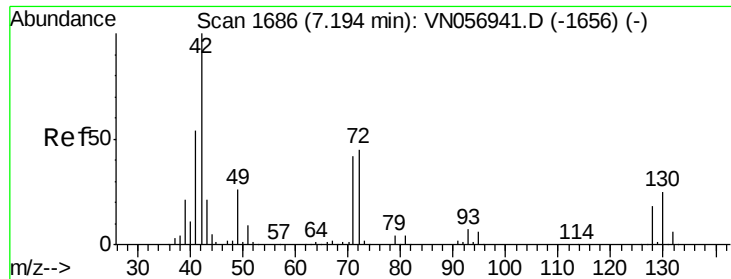
Acq: 6 Aug 2019 17:59

Tgt Ion:	49	Resp:	152098
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	88.6	69.0	103.4



Abundance Ion 48.90 (48.60 to 49.60): VN057110.D (-1588) (-)





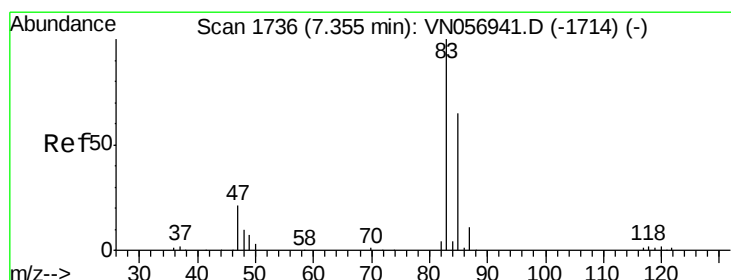
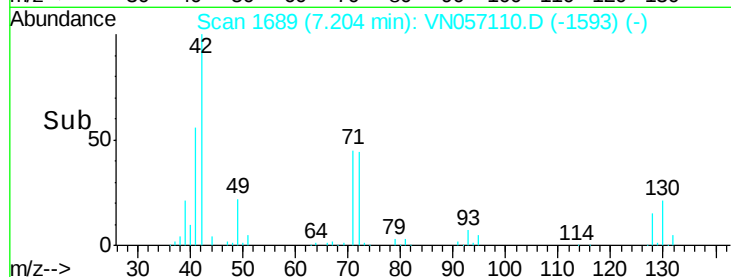
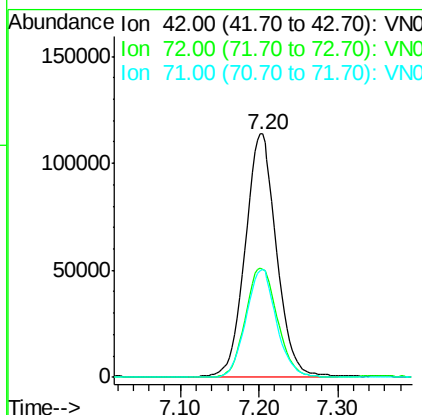
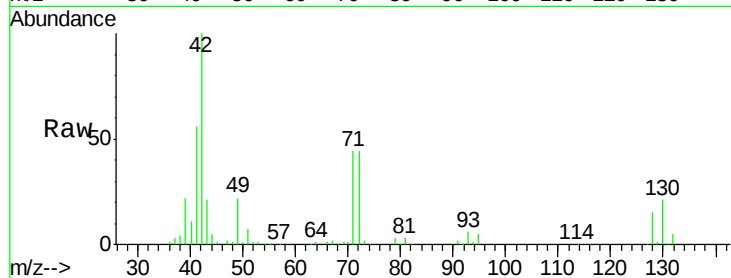
#29
Tetrahydrofuran
Concen: 240.657 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.6	53.4
71	43.3	33.5	50.3

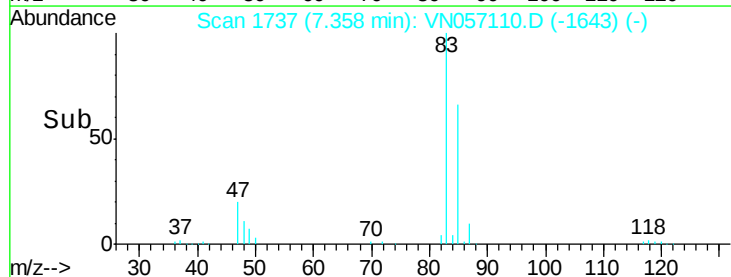
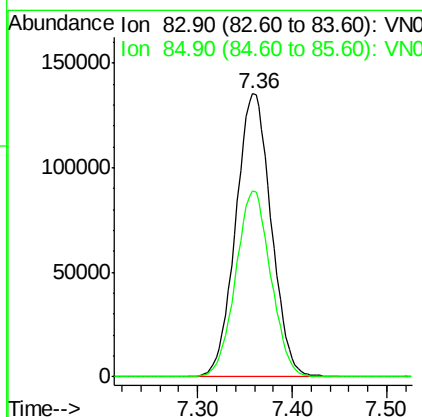
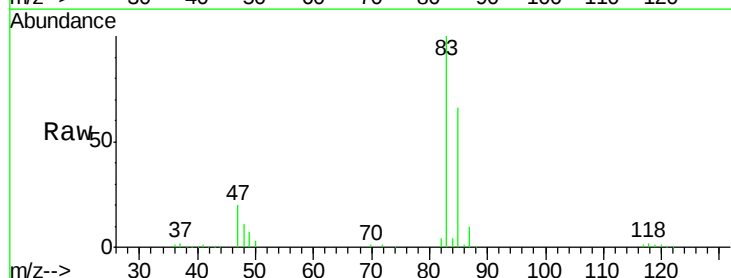
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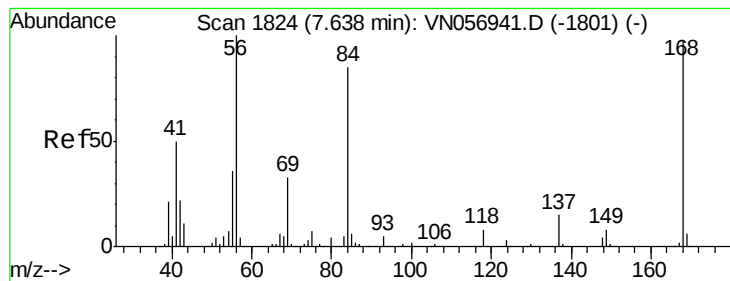
MMDadoda
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#30
Chloroform
Concen: 51.276 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.2	78.2





#31

Cyclohexane

Concen: 44.941 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

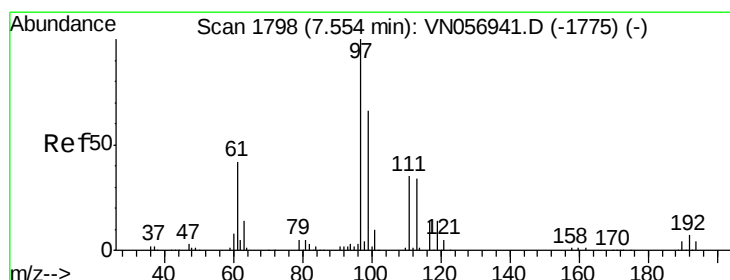
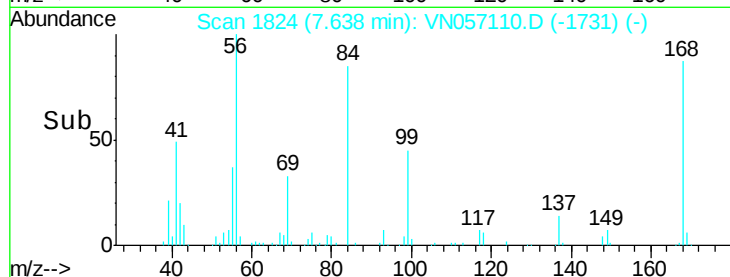
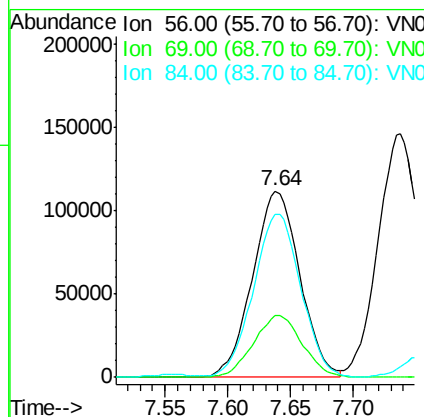
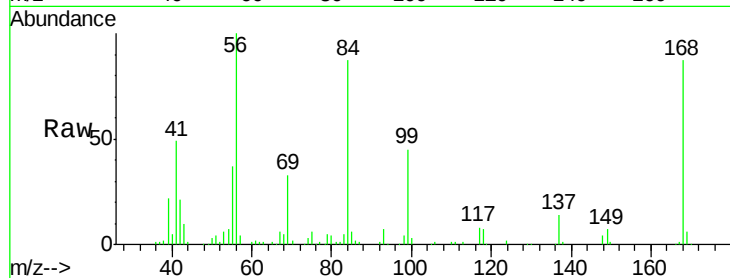
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	292769
Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.2	39.2
84	86.2	68.2	102.2

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#32

1,1,1-Trichloroethane

Concen: 54.407 ug/l

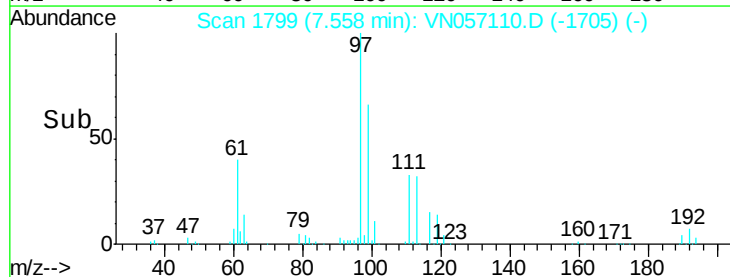
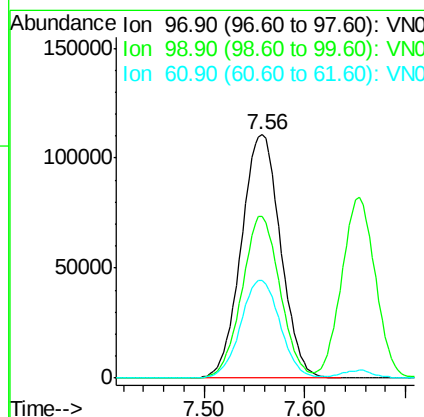
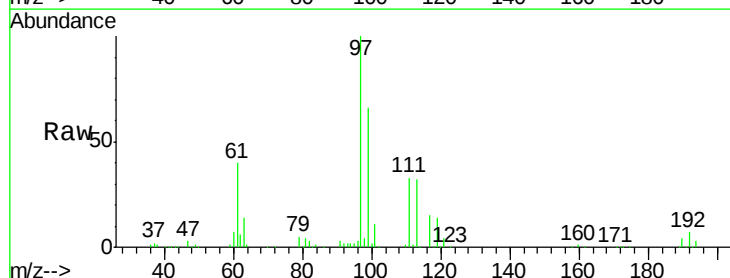
RT: 7.56 min Scan# 1799

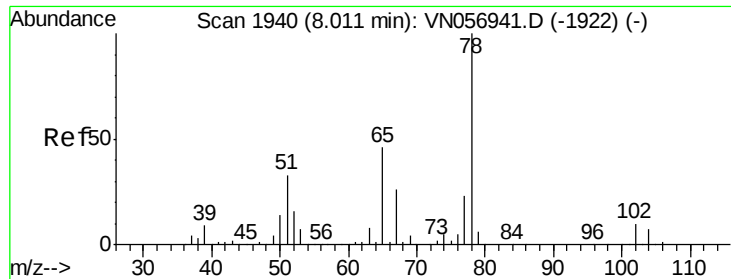
Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Tgt Ion:	97	Resp:	298799
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.3	78.5
61	40.3	33.9	50.9





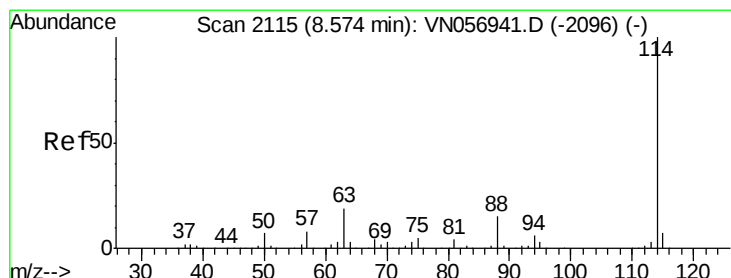
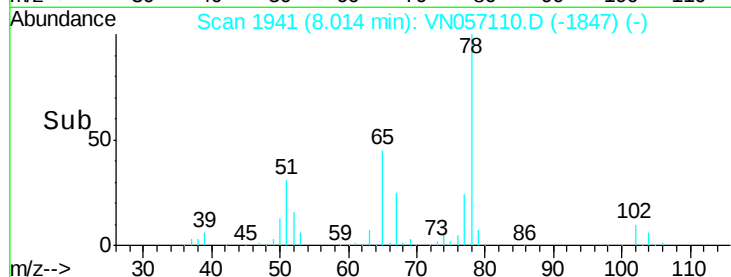
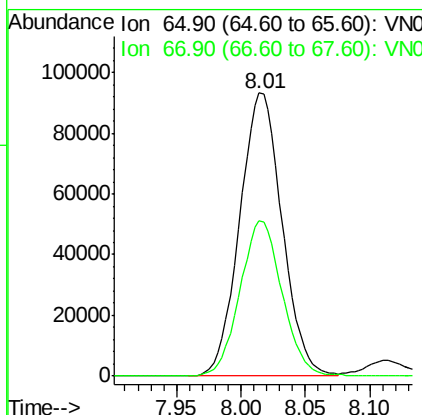
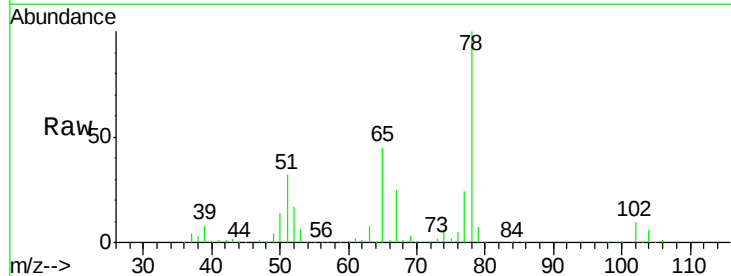
#33
 1,2-Dichloroethane-d4
 Concen: 53.884 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213629		
67	54.5	0.0	112.0	

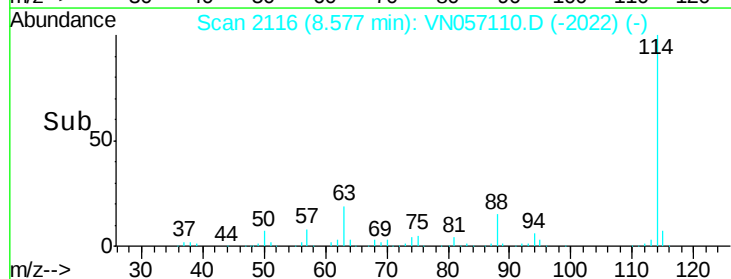
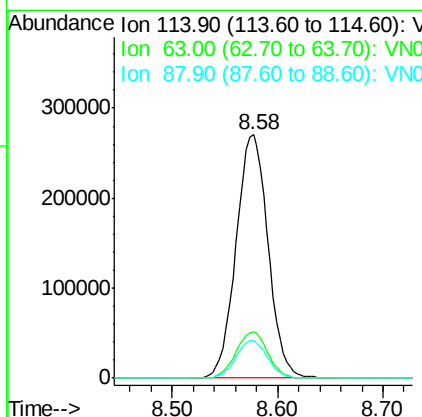
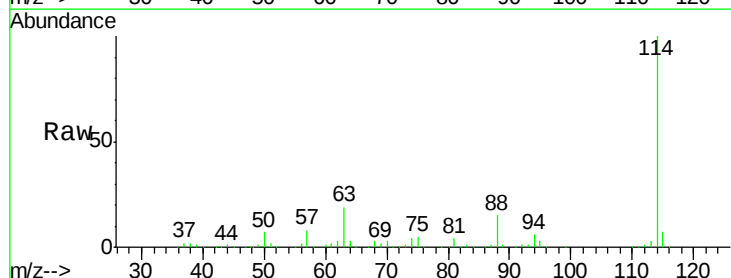
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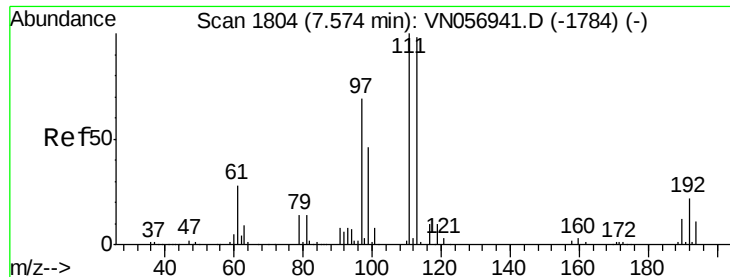
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	568302		
63	19.2	0.0	38.0	
88	15.3	0.0	30.0	





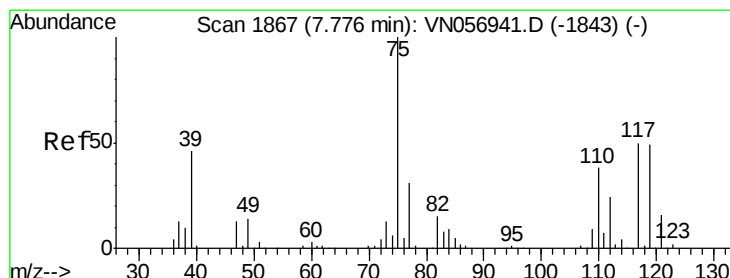
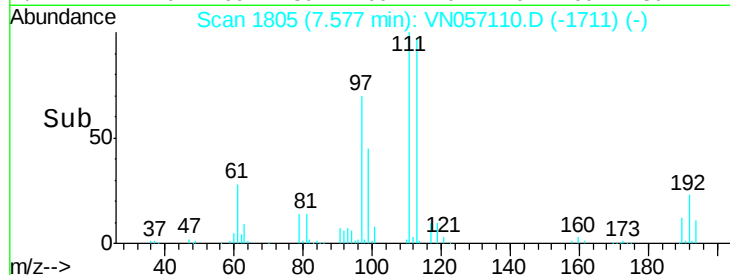
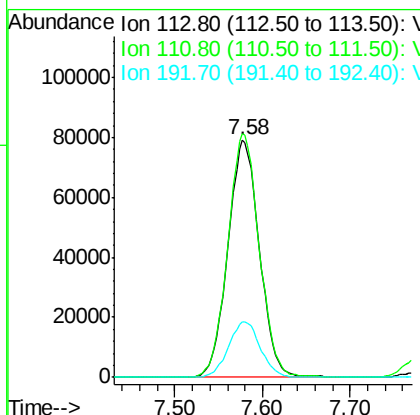
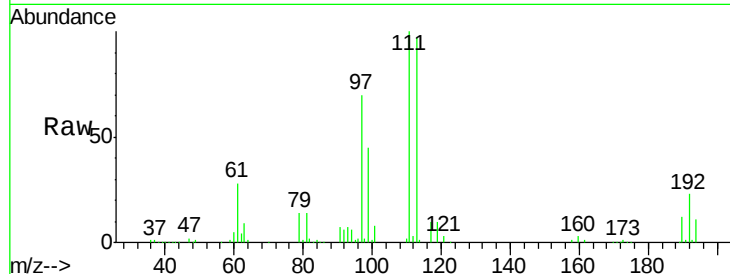
#35
 Dibromofluoromethane
 Concen: 54.289 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	197507		
111	102.6	82.0	123.0	
192	23.4	18.4	27.6	

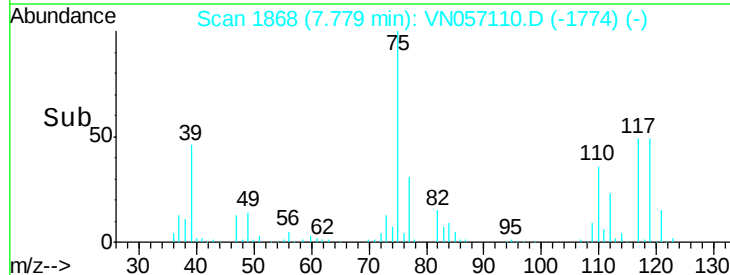
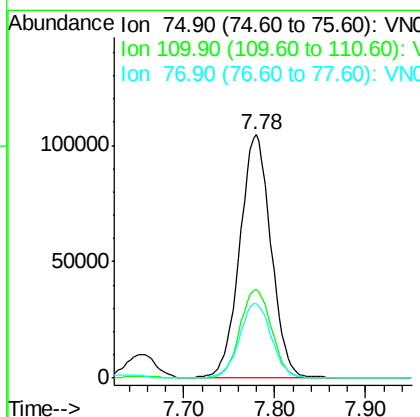
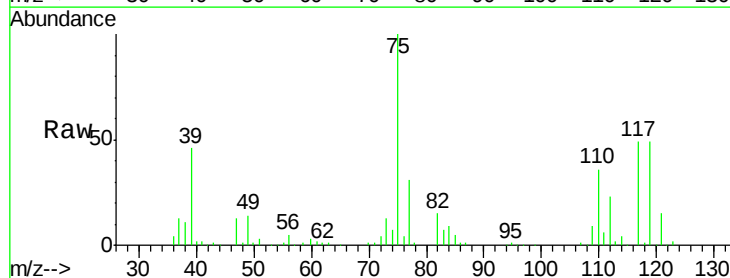
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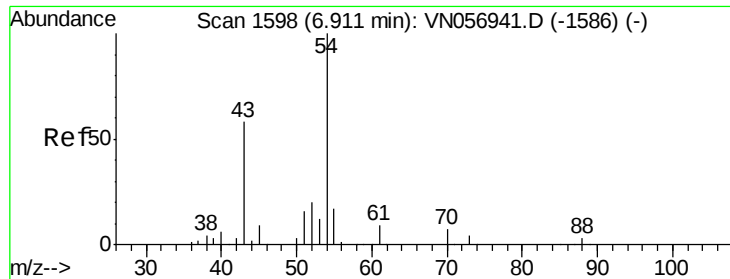
MMdadoda
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#36
 1,1-Dichloropropene
 Concen: 49.751 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	248788		
110	37.0	18.6	55.8	
77	31.5	25.2	37.8	





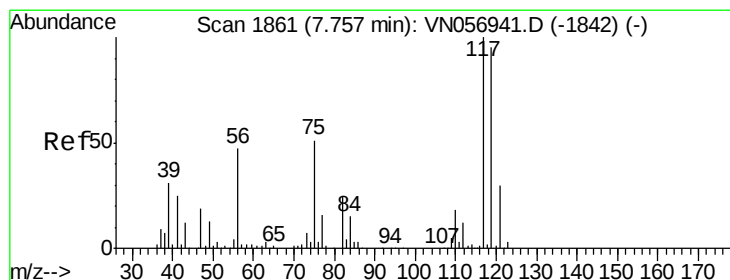
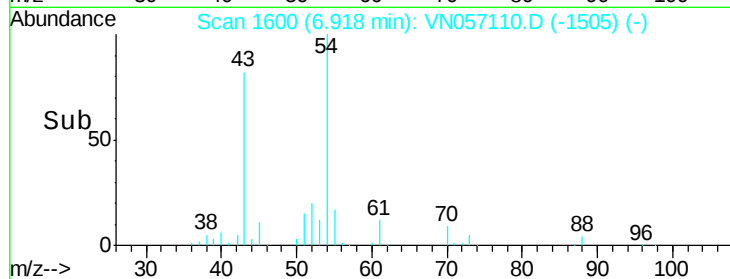
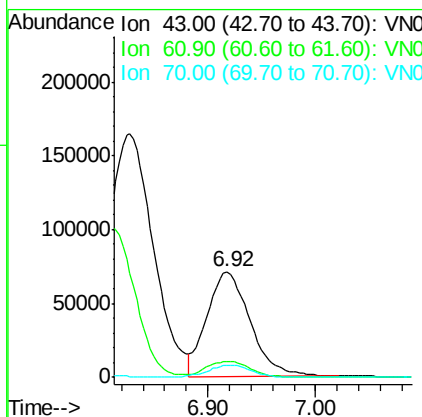
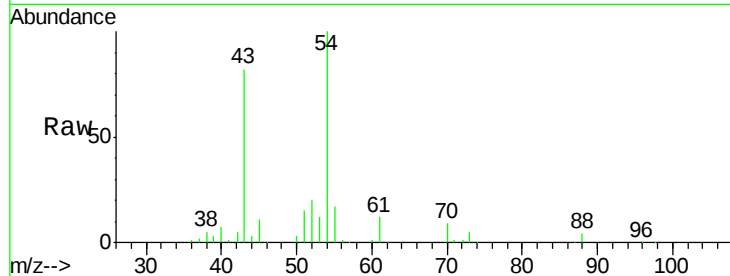
#37
Ethyl Acetate
Concen: 49.344 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	43	Resp	197628
Ion Ratio	Lower	Upper	
43	100		
61	15.8	11.8	17.6
70	11.5	8.5	12.7

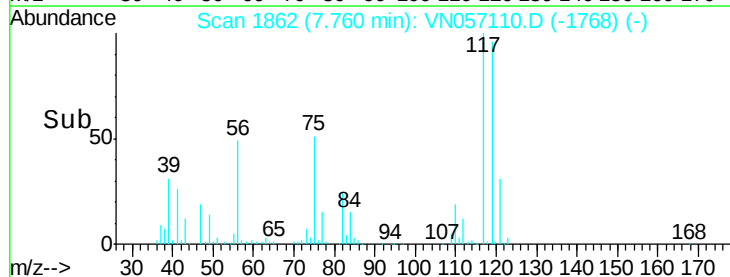
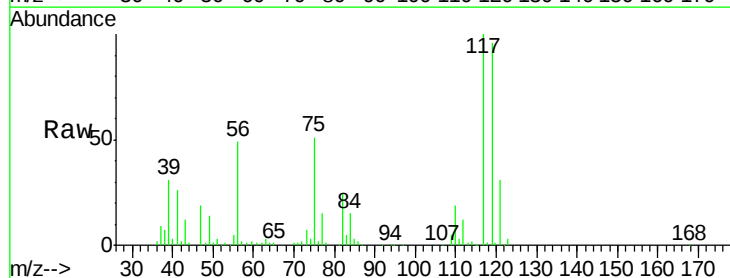
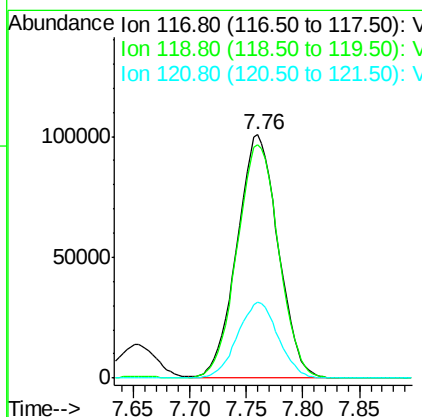
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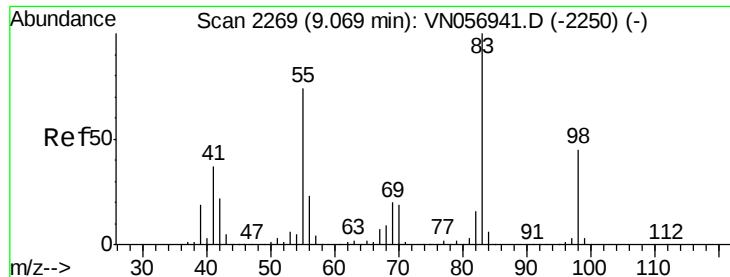
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#38
Carbon Tetrachloride
Concen: 53.931 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion	117	Resp	255100
Ion Ratio	Lower	Upper	
117	100		
119	95.9	75.3	112.9
121	31.4	24.2	36.4





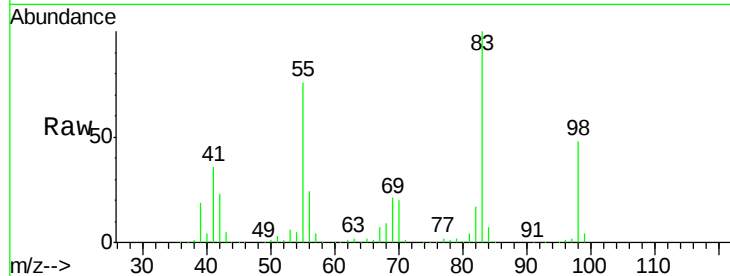
#39
Methvlcvclohexane
Concen: 46.856 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	299473		
55	75.9	59.0	88.6	
98	47.9	36.2	54.4	

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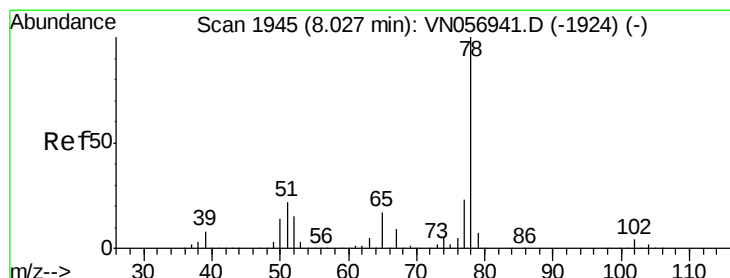
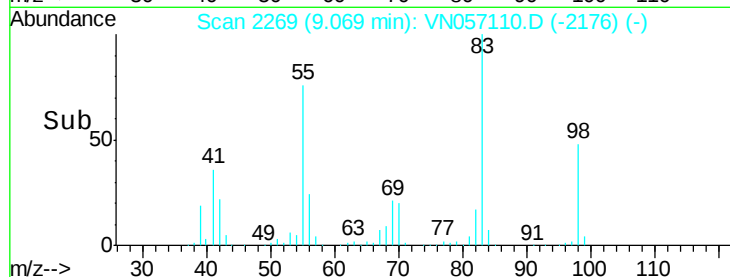
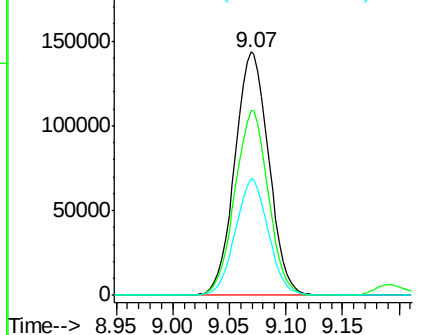


Abundance

Ion 83.00 (82.70 to 83.70): VNO

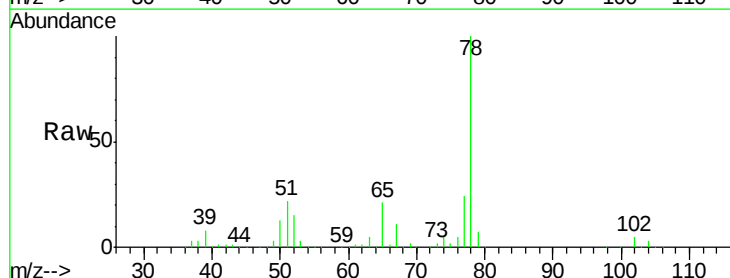
Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#40
Benzene
Concen: 50.608 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

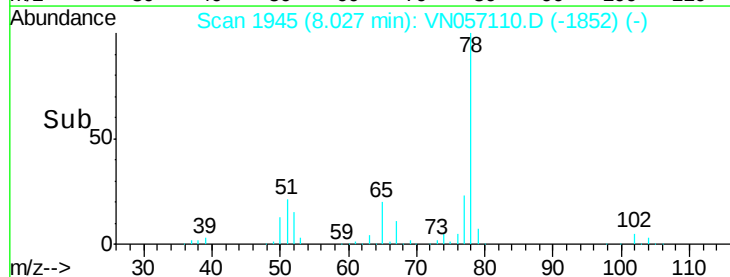
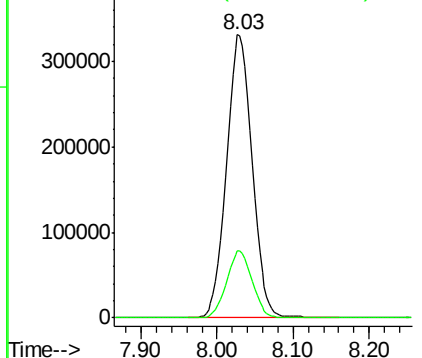
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	779473		
77	23.6	18.3	27.5	

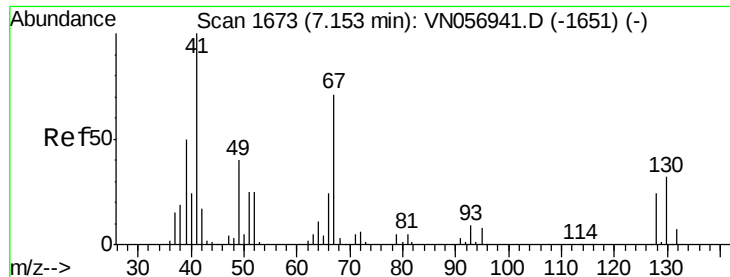


Abundance

Ion 78.00 (77.70 to 78.70): VNO

Ion 77.00 (76.70 to 77.70): VNO





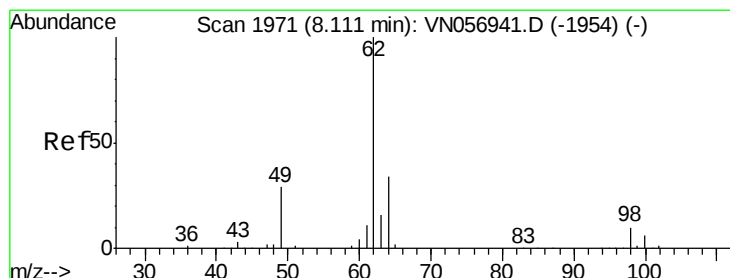
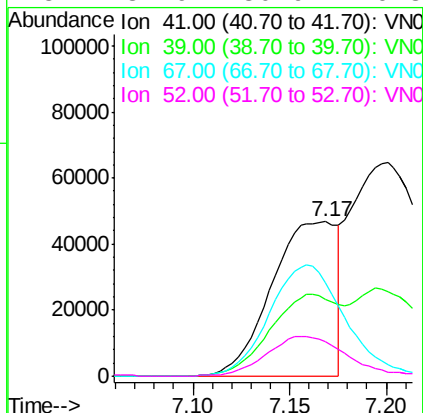
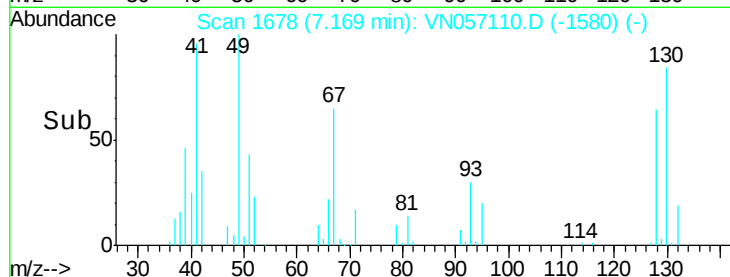
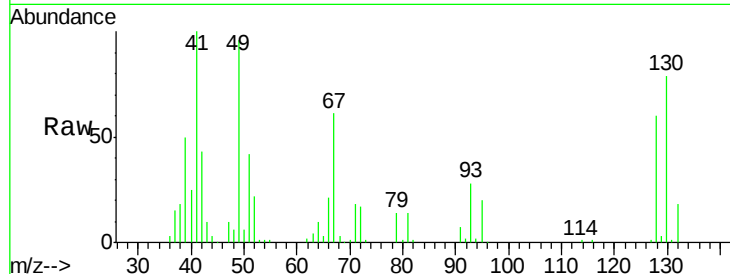
#41
Methacrylonitrile
Concen: 59.564 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.02 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	110283
Ion Ratio	Lower	Upper	
41	100		
39	56.0	48.9	73.3
67	83.5	83.4	125.0
52	31.9	30.9	46.3

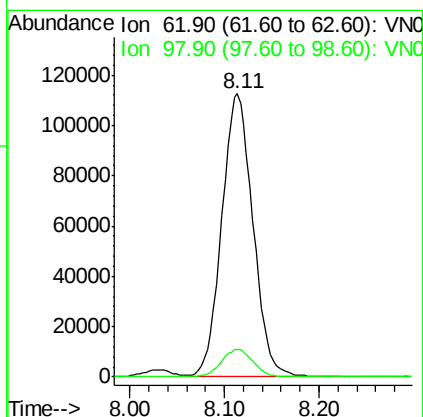
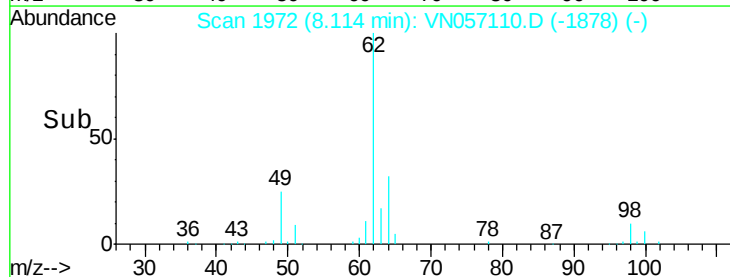
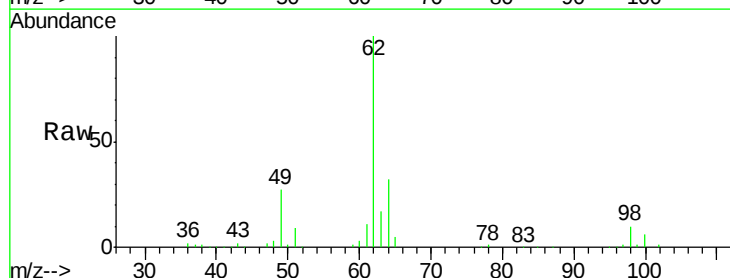
Manual Integrations
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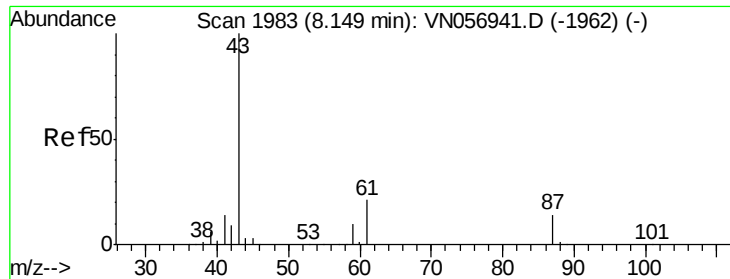
MMDadoda
8/9/2019 12:51:41 AM



#42
1,2-Dichloroethane
Concen: 53.394 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion	62	Resp	257743
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	20.6





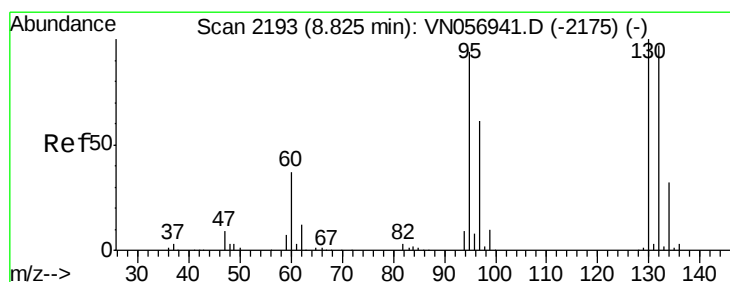
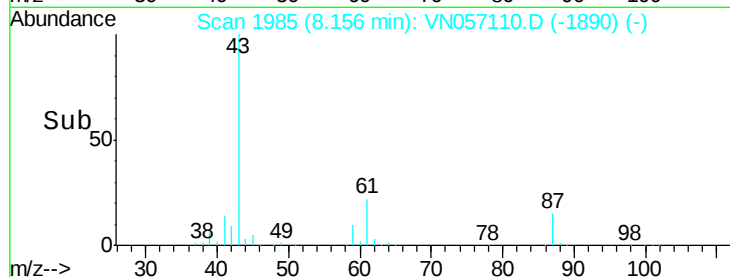
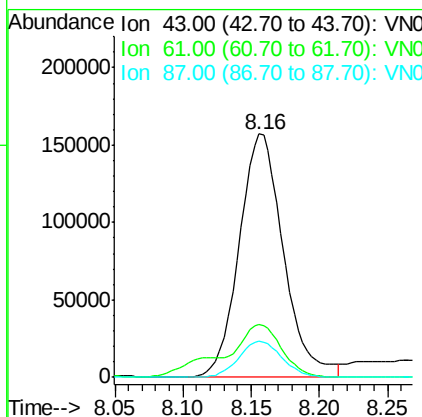
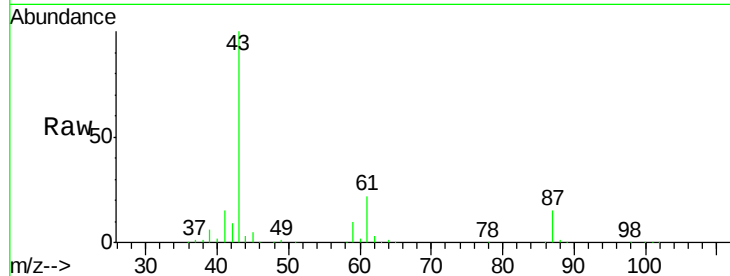
#43
Isopropyl Acetate
Concen: 53.258 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	23.0	34.6#
87	14.5	11.7	17.5

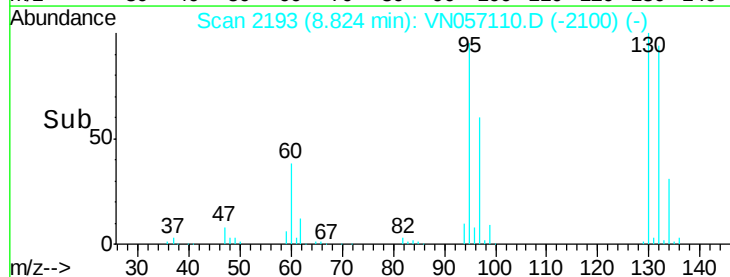
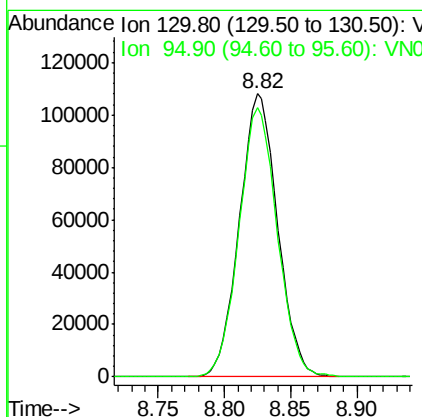
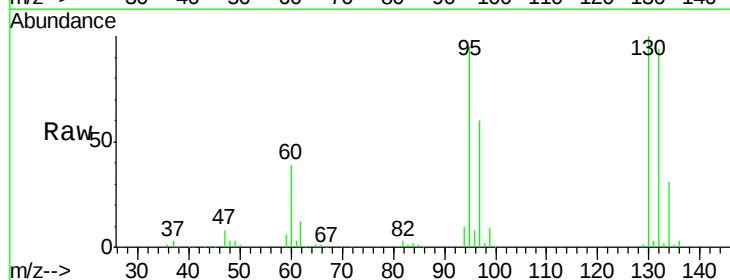
Manual Integrations
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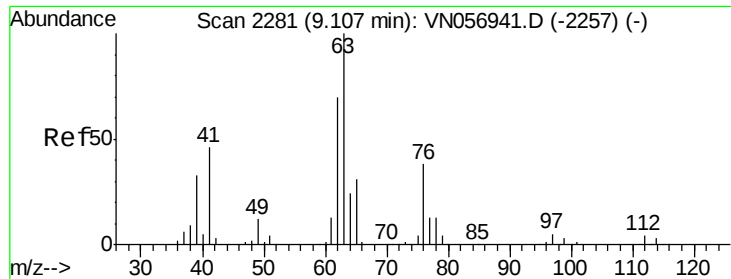
MMDadoda
8/9/2019 12:51:41 AM



#44
Trichloroethene
Concen: 50.942 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	189.0





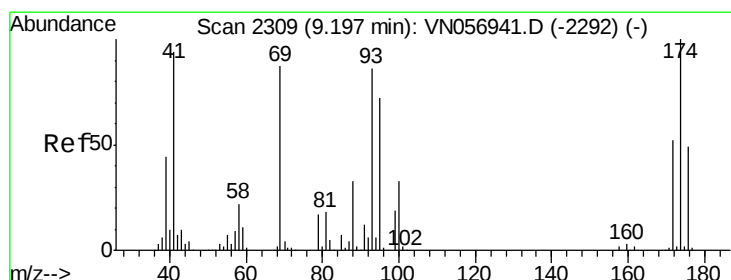
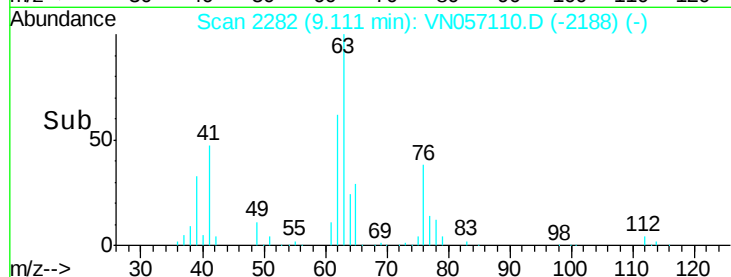
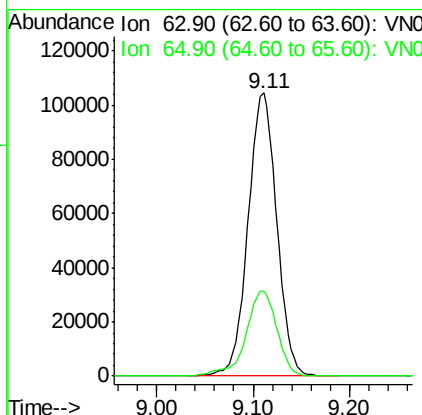
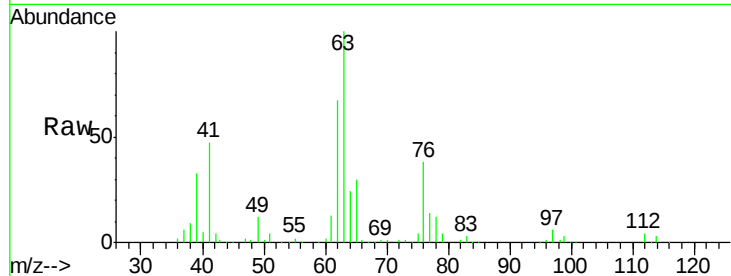
#45
 1,2-Dichloropropane
 Concen: 52.294 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 215439
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.8 37.2

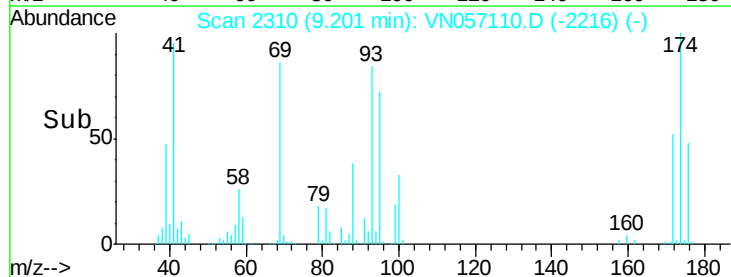
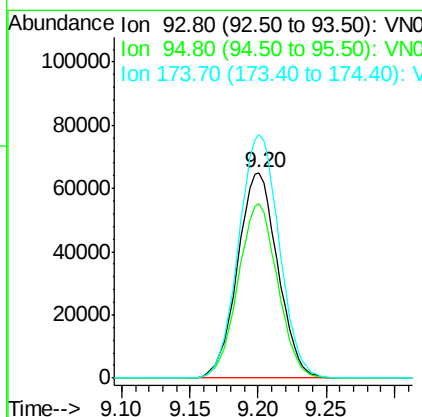
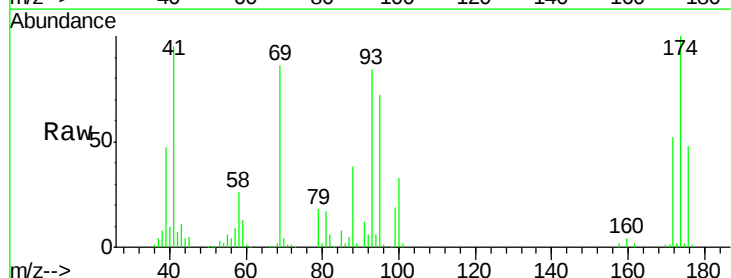
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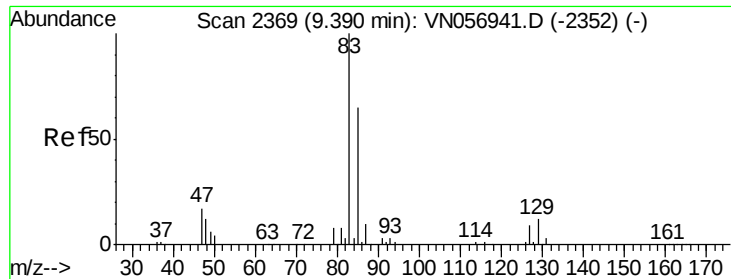
MMdadoda
 8/9/2019 12:51:41 AM



#46
 Dibromomethane
 Concen: 53.390 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion: 93 Resp: 132648
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.6
 174 120.1 92.7 139.1





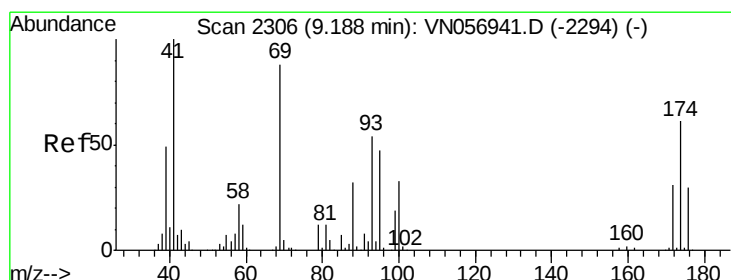
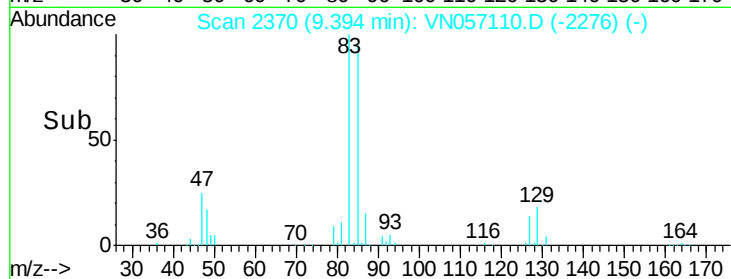
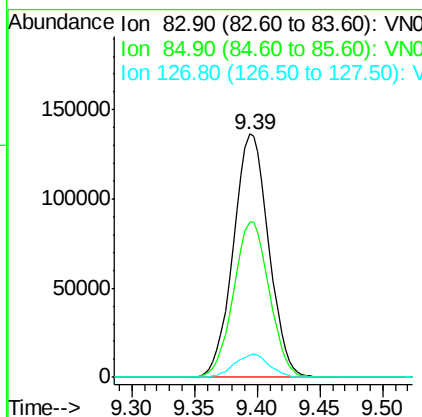
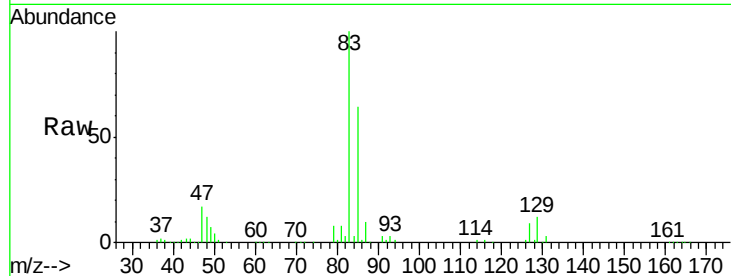
#47
Bromodichloromethane
Concen: 54.689 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	267145
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	51.6	77.4
127	9.2	7.3	10.9

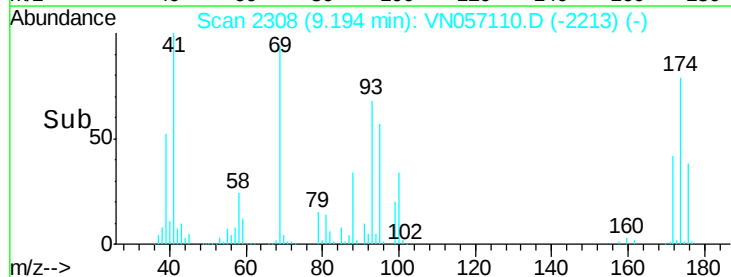
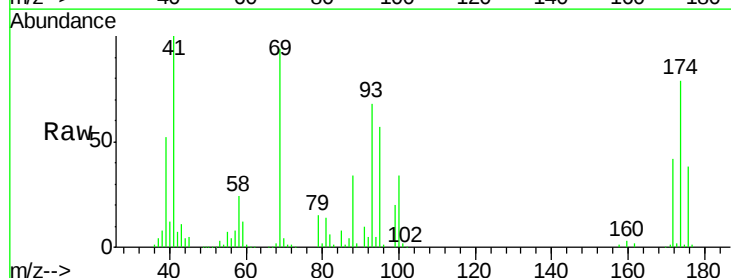
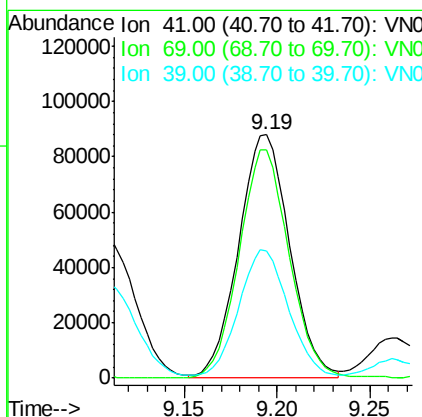
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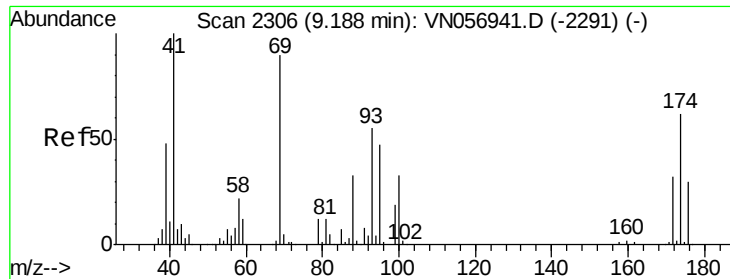
MMdadoda
8/9/2019 12:51:41 AM



#48
Methyl methacrylate
Concen: 52.786 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion	41	Resp	168702
Ion Ratio	100	Lower	Upper
41	100		
69	92.4	73.4	110.0
39	51.8	39.9	59.9





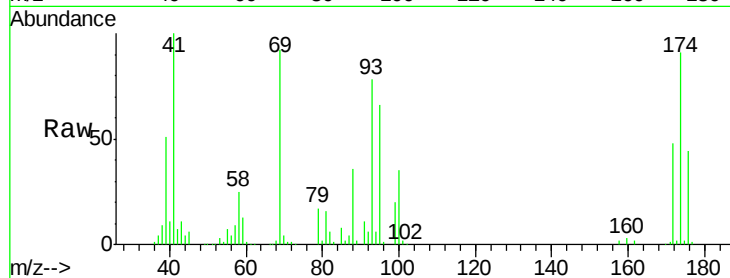
#49
1,4-Dioxane
Concen: 1058.904 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.01 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	22.2	33.2
58	65.7	54.1	81.1

Manual Integrations
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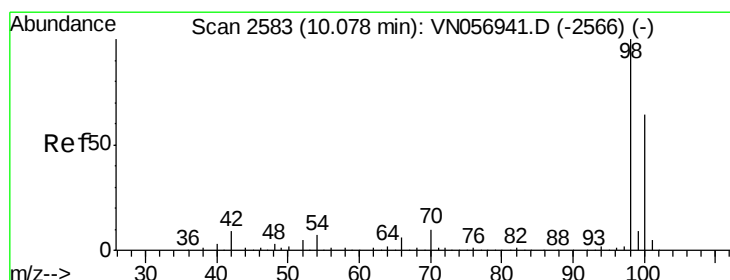
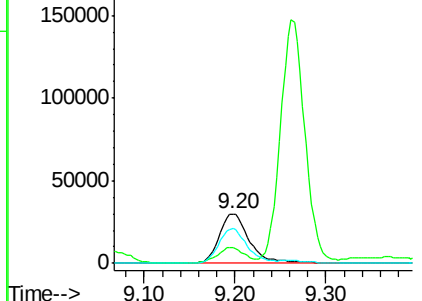
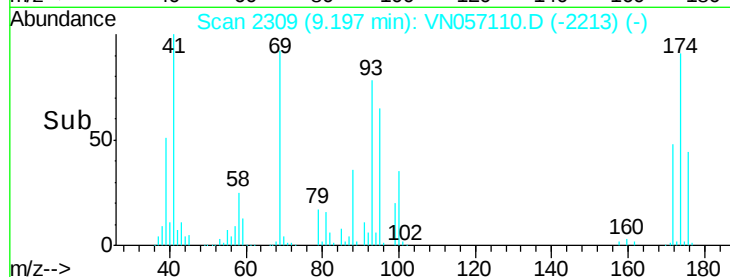
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Abundance Ion 88.00 (87.70 to 88.70): VN057110.D (-2213) (-)

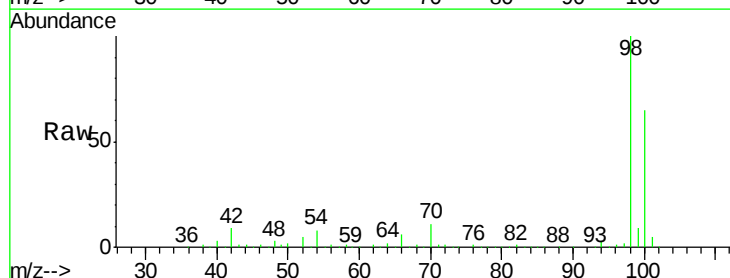
Ion 43.00 (42.70 to 43.70): VN057110.D (-2213) (-)

Ion 58.00 (57.70 to 58.70): VN057110.D (-2213) (-)



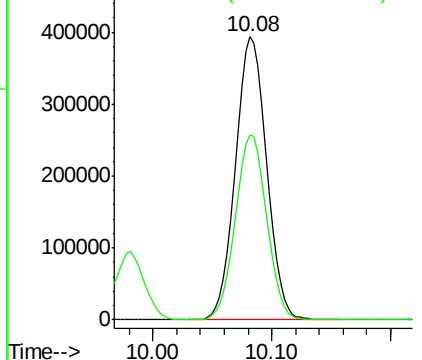
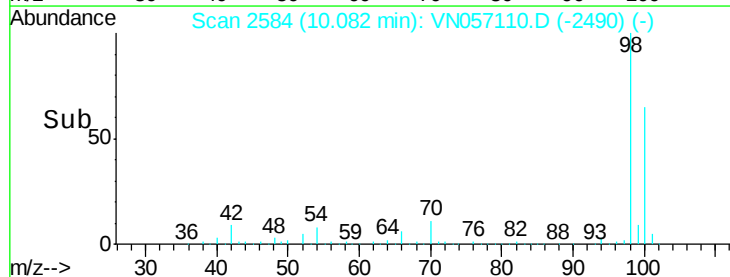
#50
Toluene-d8
Concen: 51.539 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

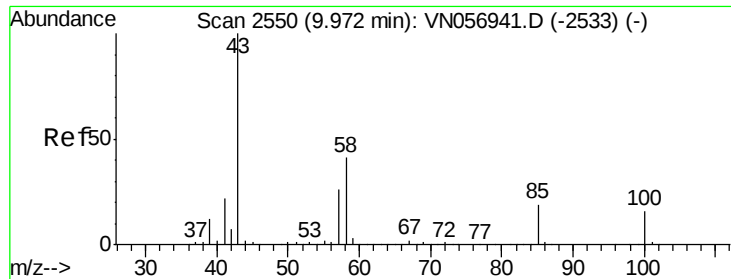
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.3	76.9



Abundance Ion 98.00 (97.70 to 98.70): VN057110.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN057110.D (-2490) (-)





#51

4-Methyl-2-Pentanone

Concen: 257.744 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1013757

Ion Ratio Lower Upper

43 100

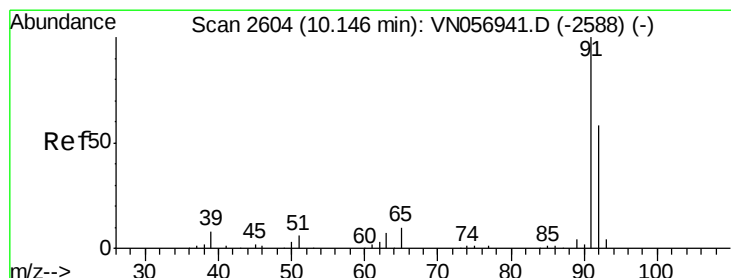
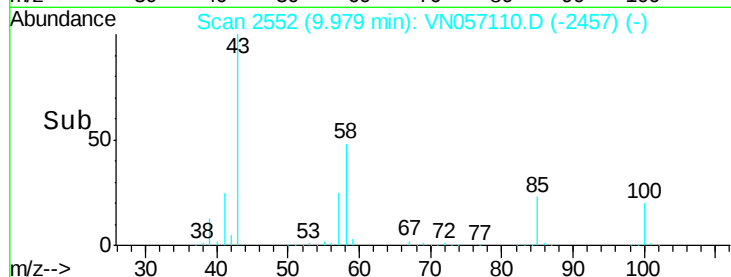
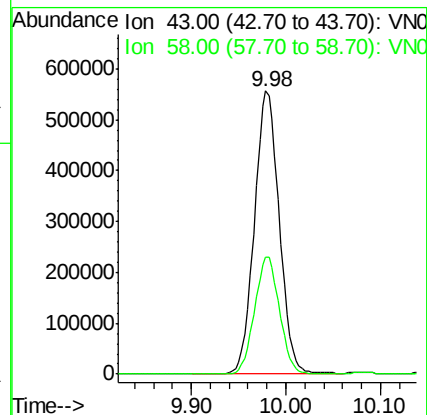
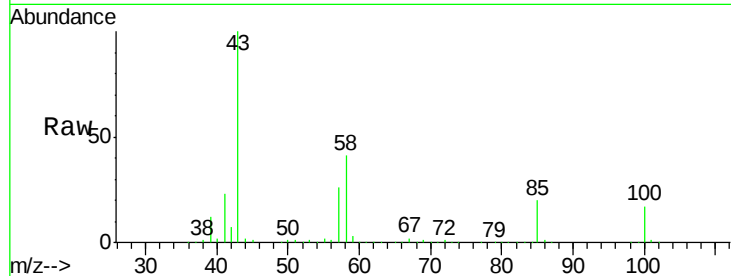
58 41.6 33.1 49.7

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#52

Toluene

Concen: 52.778 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057110.D

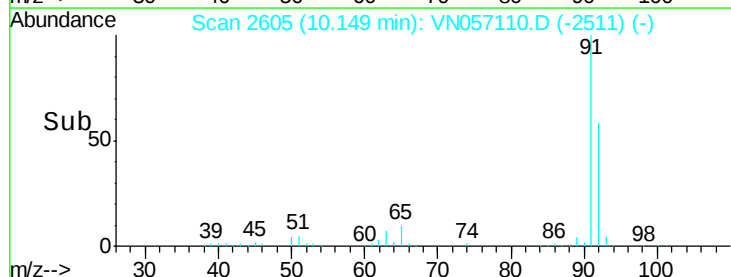
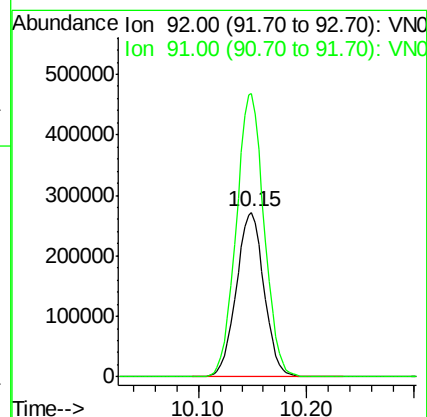
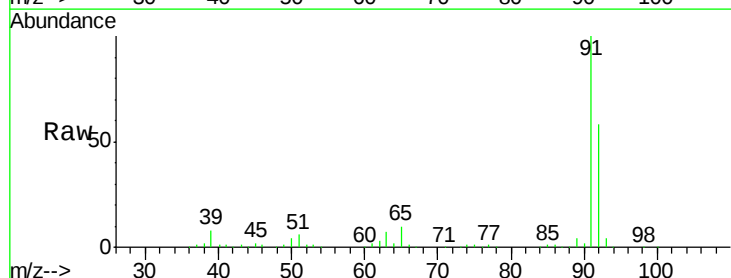
Acq: 6 Aug 2019 17:59

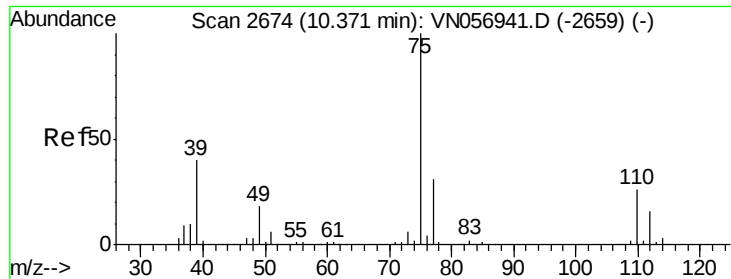
Tgt Ion: 92 Resp: 488399

Ion Ratio Lower Upper

92 100

91 172.5 138.0 207.0





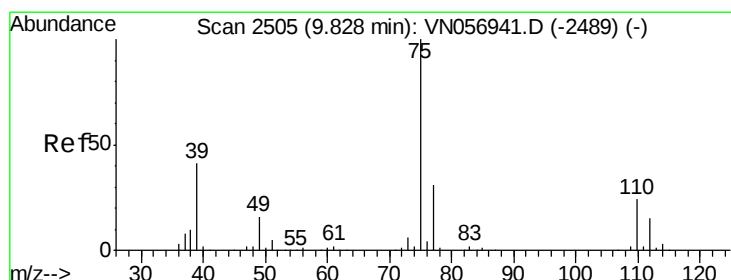
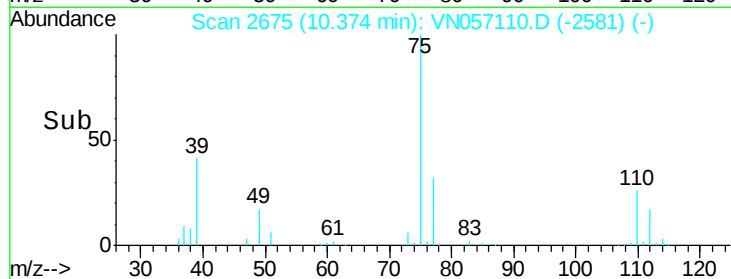
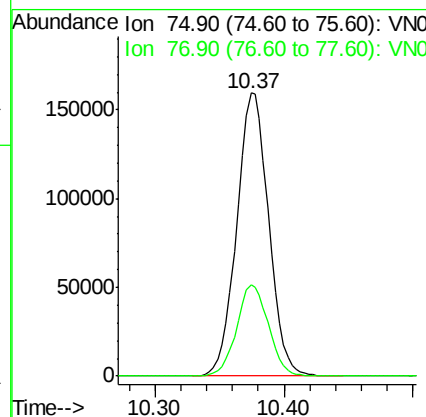
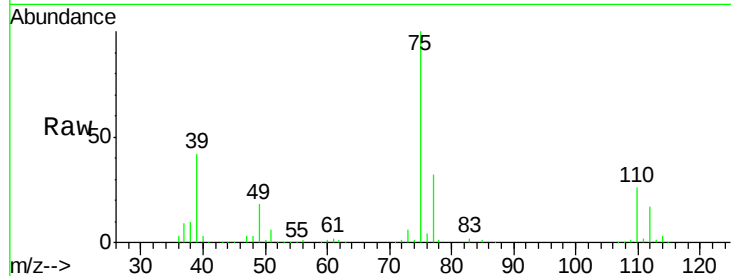
#53
t-1,3-Dichloropropene
Concen: 54.227 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 274877
Ion Ratio Lower Upper
75 100
77 32.2 25.1 37.7

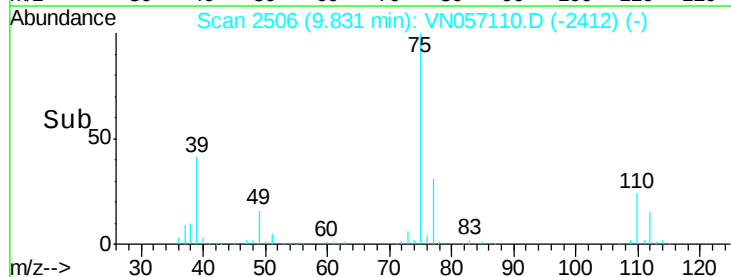
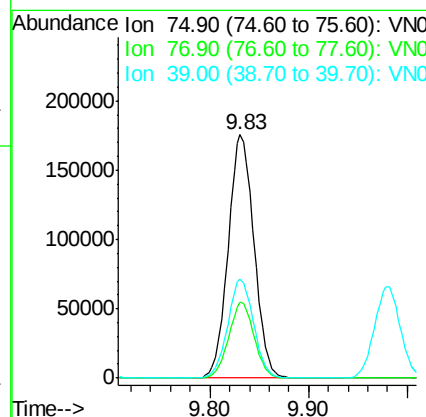
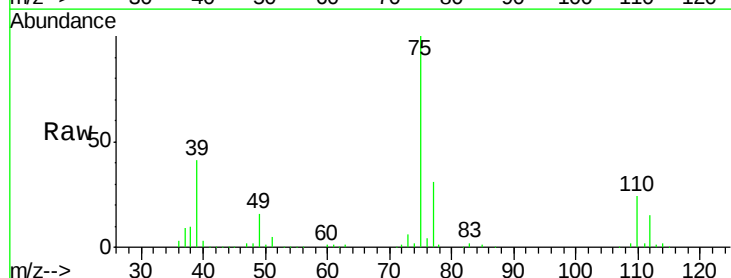
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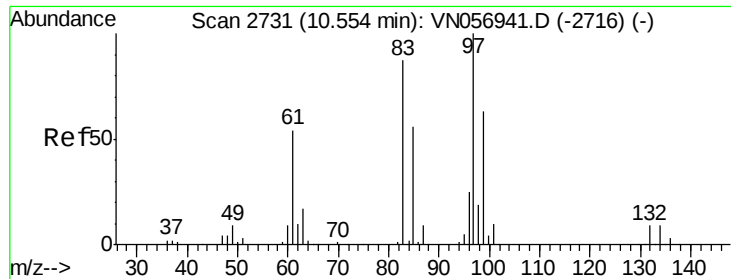
MMdadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.663 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 75 Resp: 322176
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6
39 40.8 32.6 49.0





#55

1,1,2-Trichloroethane

Concen: 53.302 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

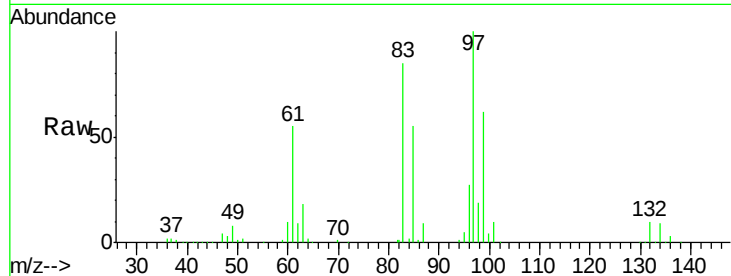
VSTDCCC050EC

Tot Ion: 97 Resp: 197808

Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.4	104.0
85	55.2	44.7	67.1
99	62.2	50.1	75.1

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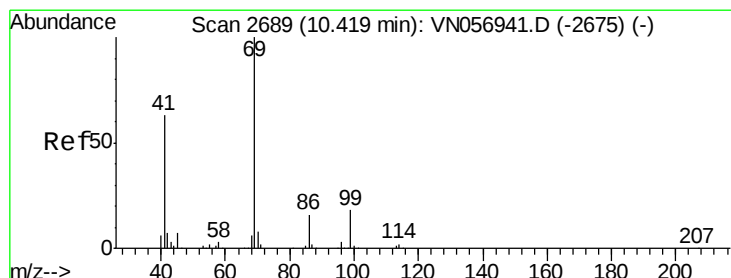
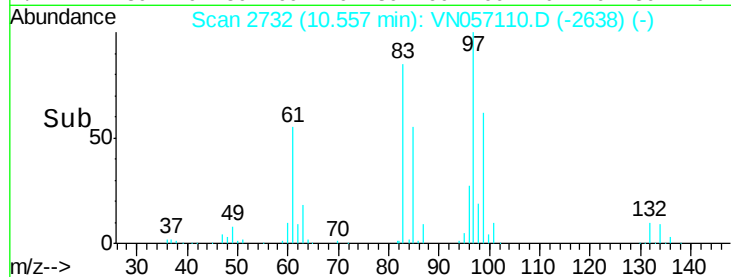
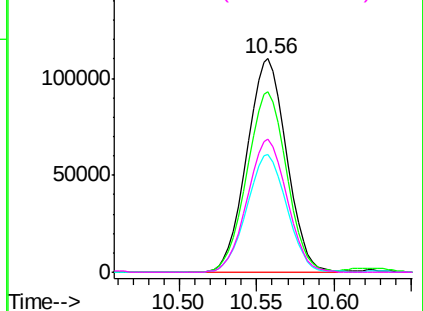


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.511 ug/l

RT: 10.42 min Scan# 2690

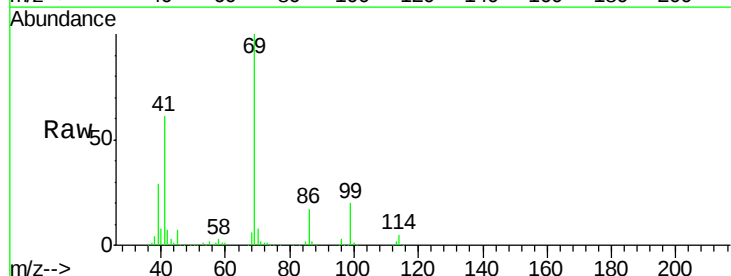
Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Tgt Ion: 69 Resp: 277379

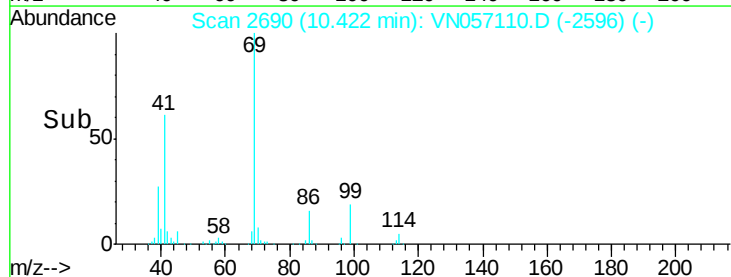
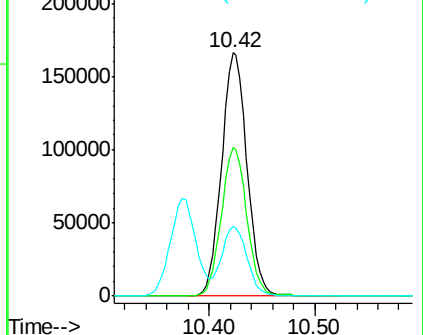
Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.2	73.8
39	28.7	23.1	34.7

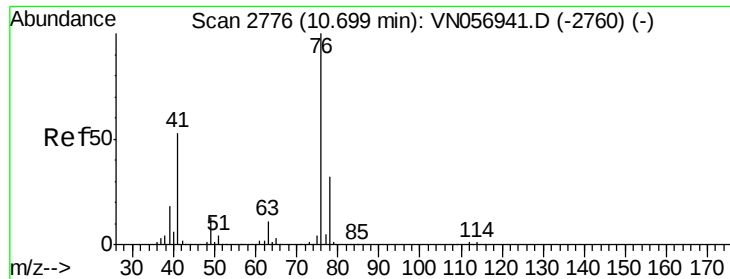


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





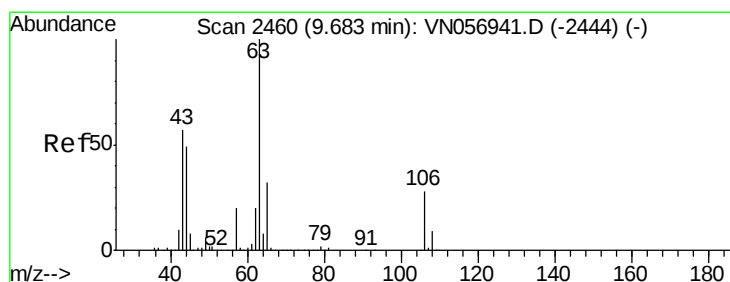
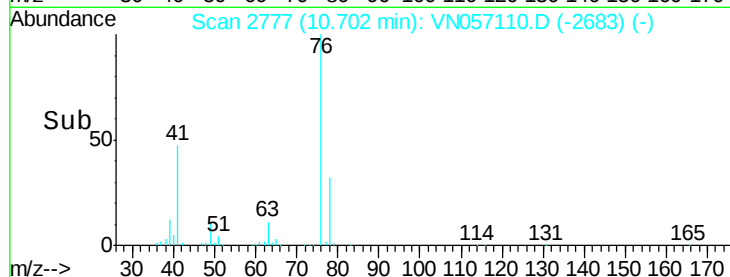
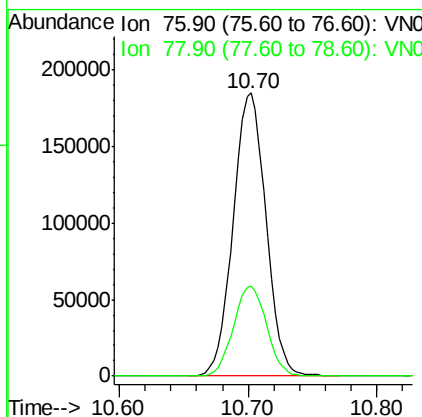
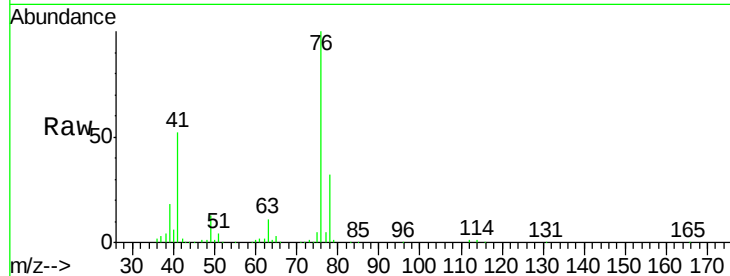
#57
 1,3-Dichloropropane
 Concen: 53.118 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

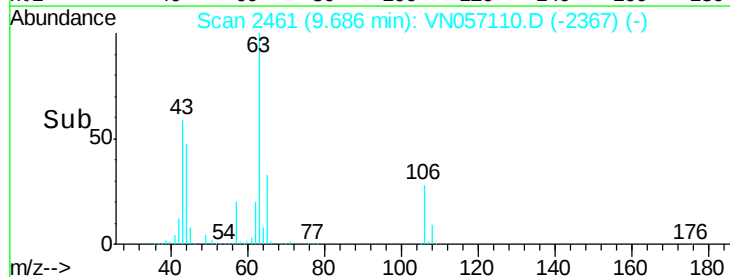
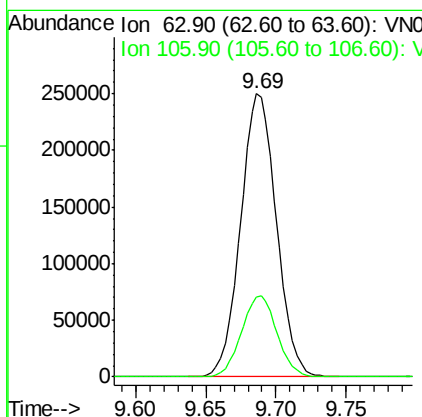
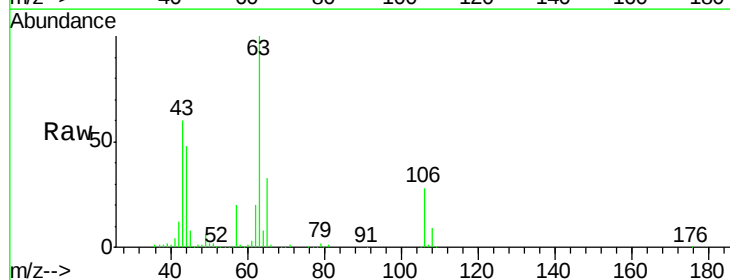
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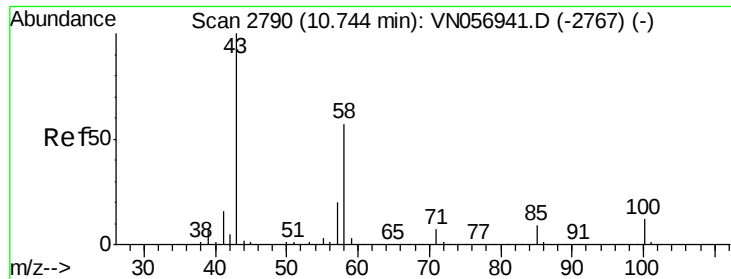
MMDadoda
 8/9/2019 12:51:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 199.908 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.0	33.0





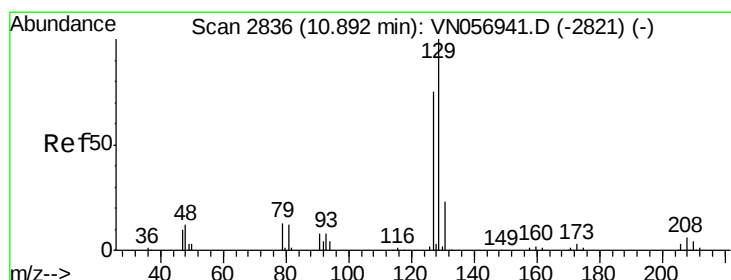
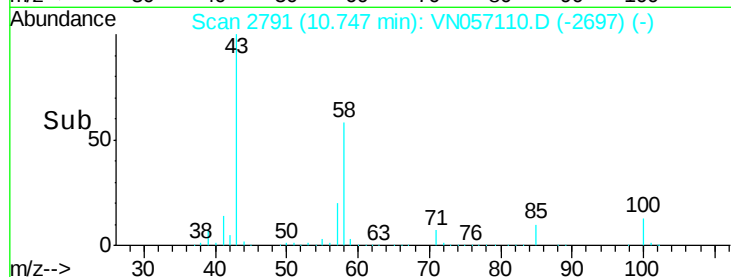
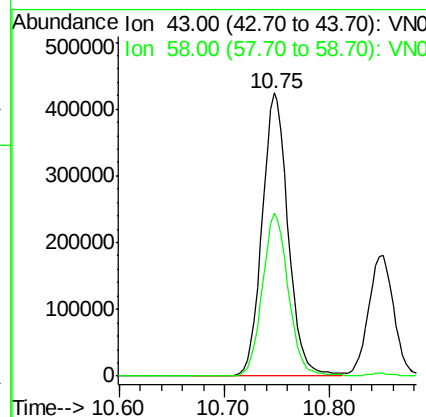
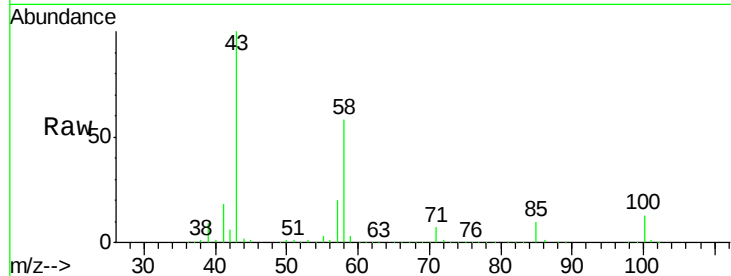
#59
2-Hexanone
Concen: 240.300 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	28.5	85.5

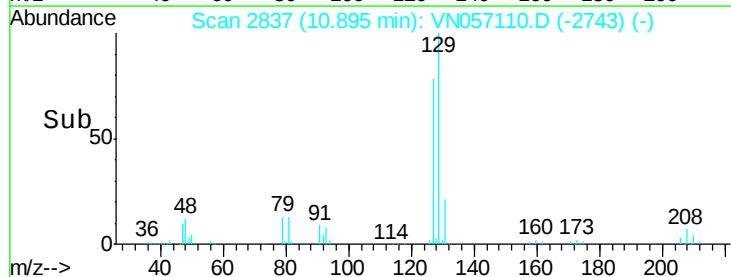
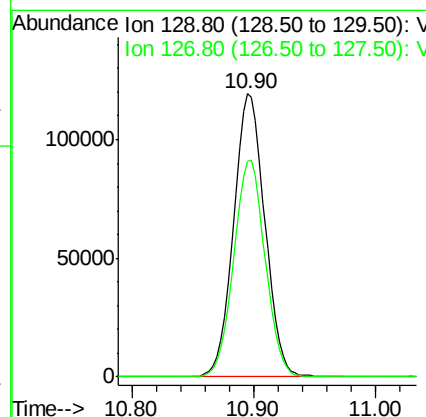
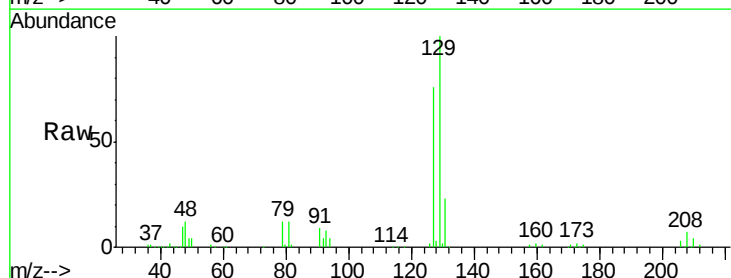
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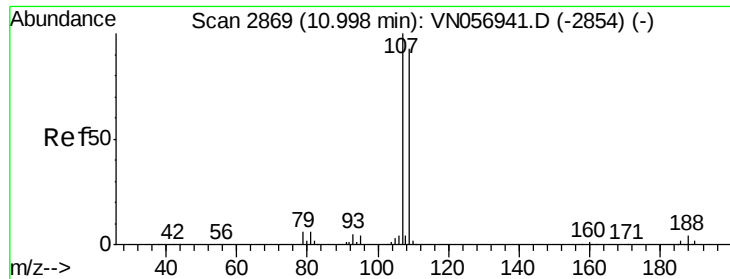
MMDadoda
8/9/2019 12:51:41 AM



#60
Dibromochloromethane
Concen: 55.922 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.0	113.9





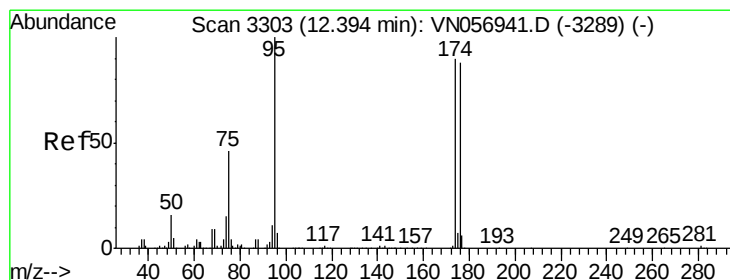
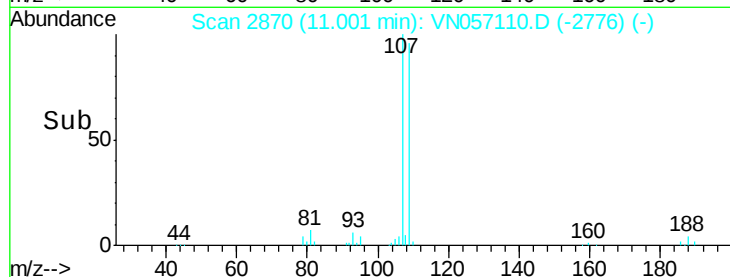
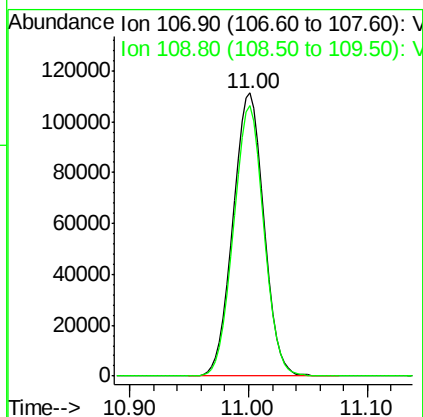
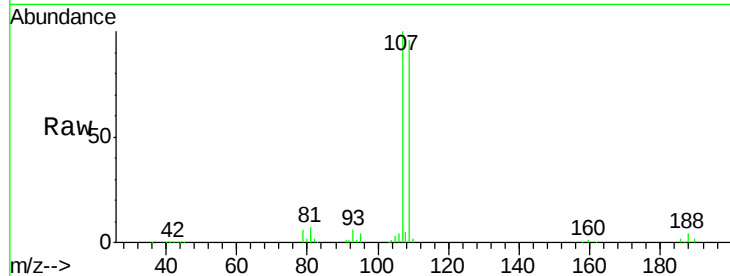
#61
 1,2-Dibromoethane
 Concen: 55.241 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.0	114.0

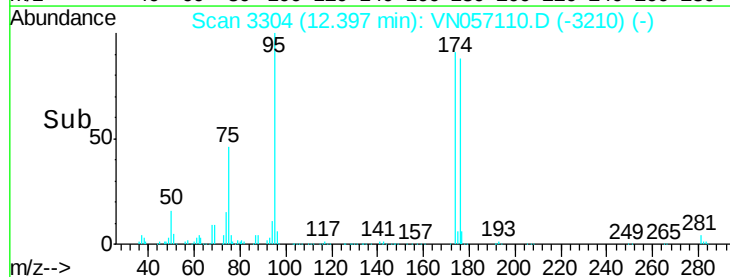
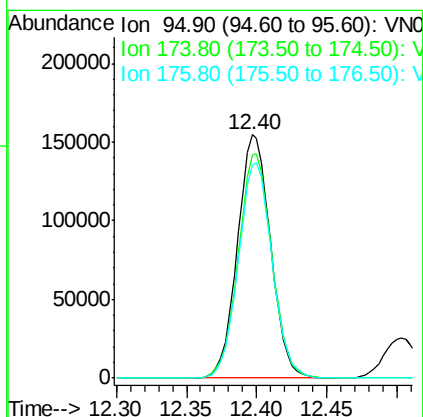
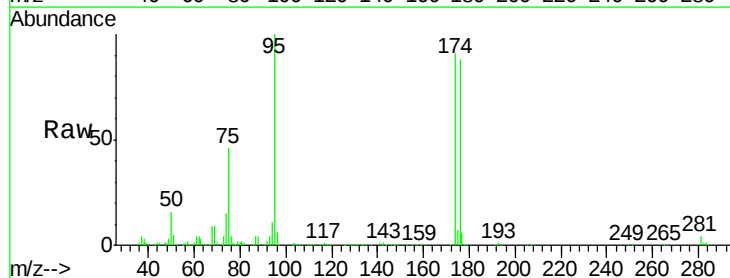
Manual Integrations
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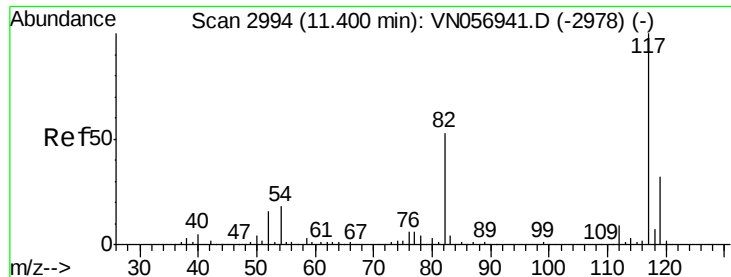
MMDadoda
 8/9/2019 12:51:41 AM



#62
 4-Bromofluorobenzene
 Concen: 56.323 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	182.2
176	89.9	0.0	179.4





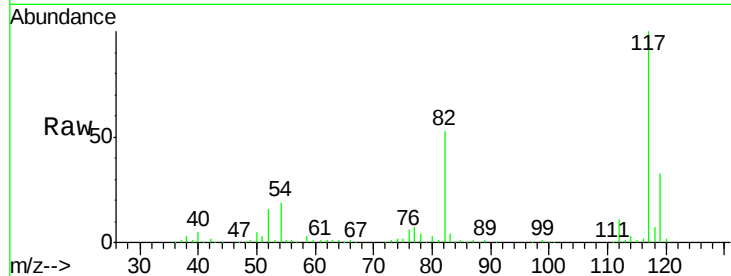
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.2	63.4
119	33.0	25.8	38.6

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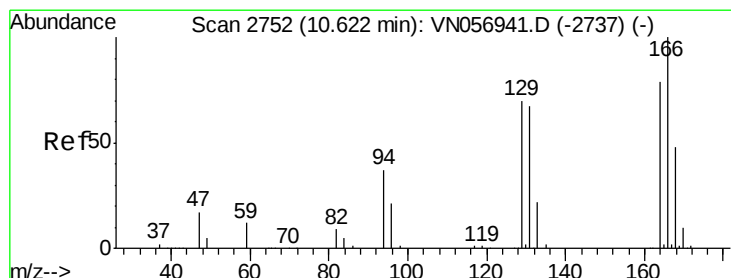
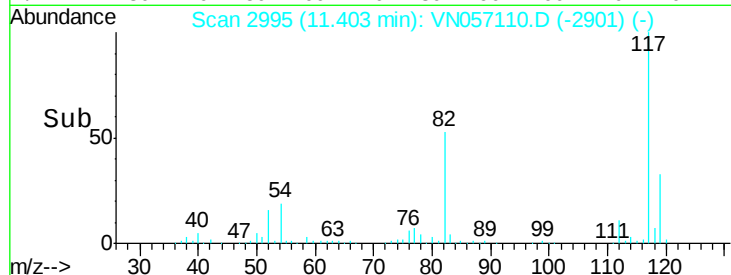
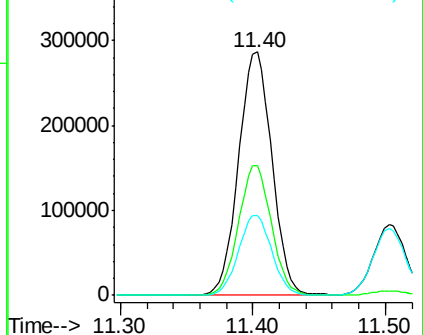


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.072 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.1	151.7
129	87.8	70.9	106.3
131	85.9	67.7	101.5

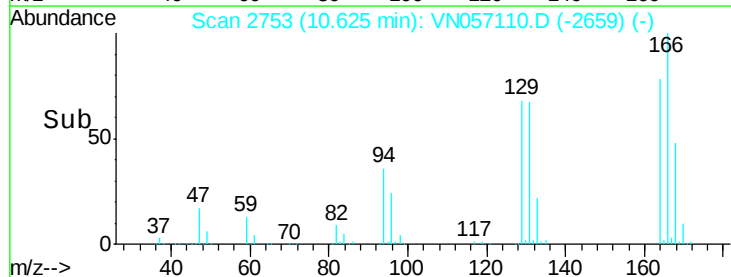
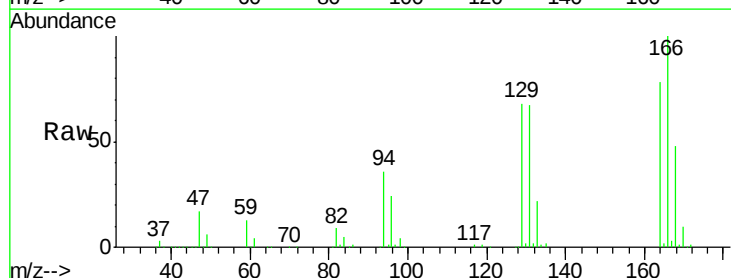
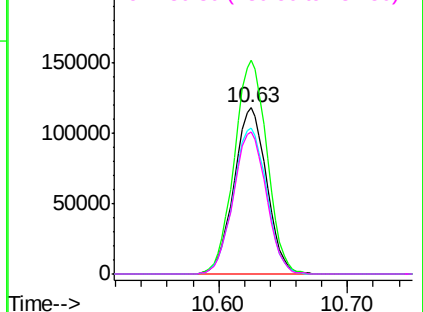
Abundance

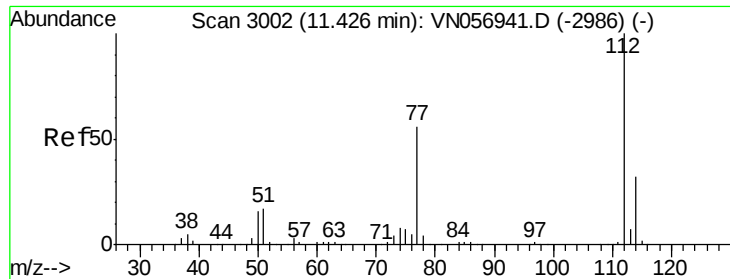
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 52.389 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 535992

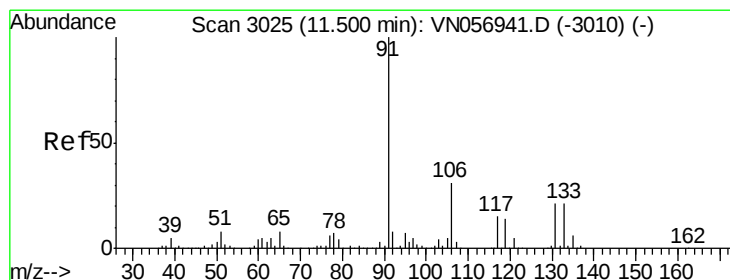
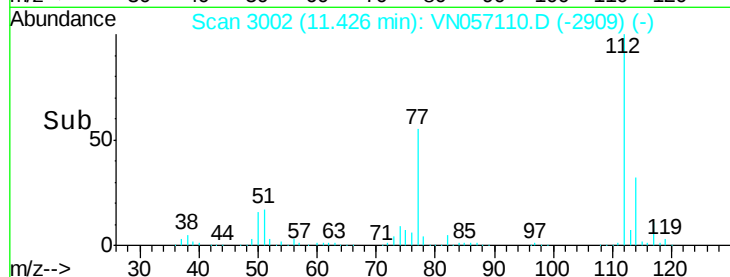
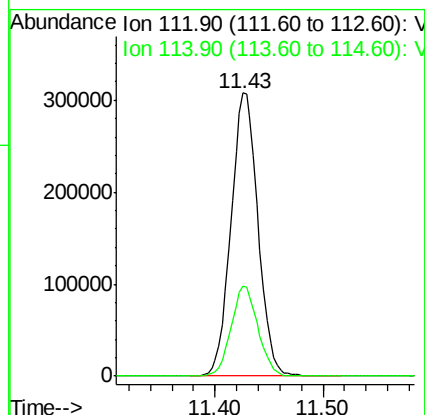
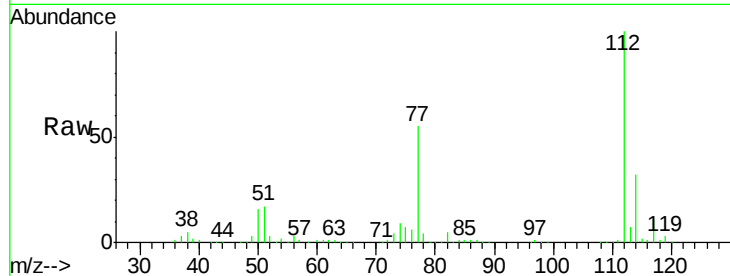
Ion Ratio Lower Upper

112 100

114 31.8 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 54.045 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

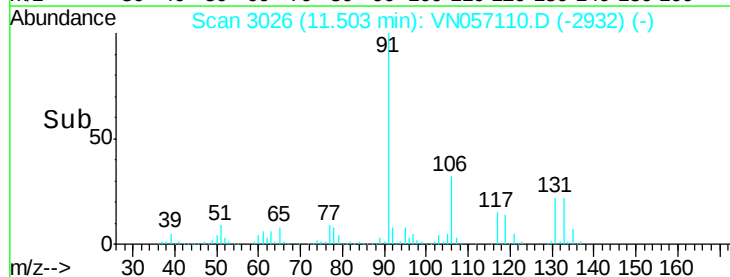
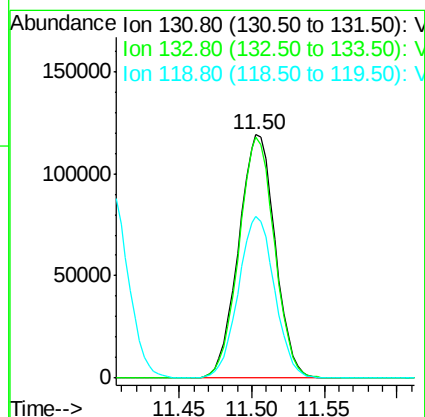
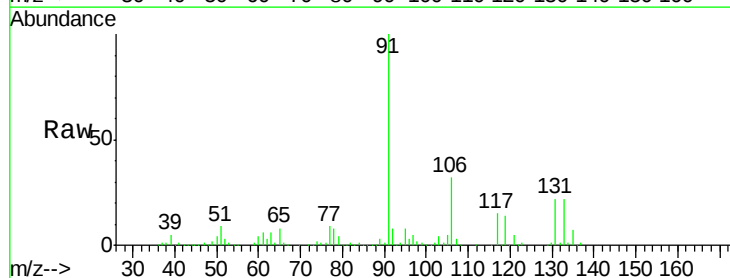
Tgt Ion:131 Resp: 208116

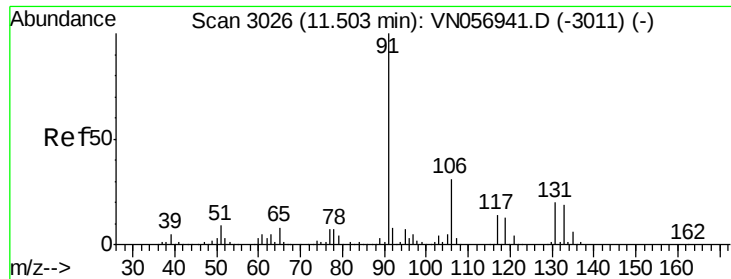
Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.0

119 65.9 33.2 99.6





#67

Ethyl Benzene

Concen: 52.664 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 931226

Ion Ratio Lower Upper

91 100

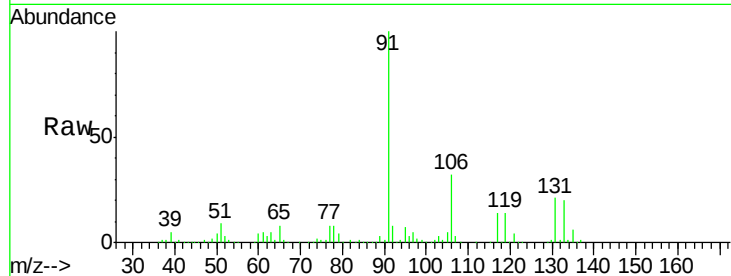
106 31.6 25.1 37.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN056941.D (-3011) (-)

800000

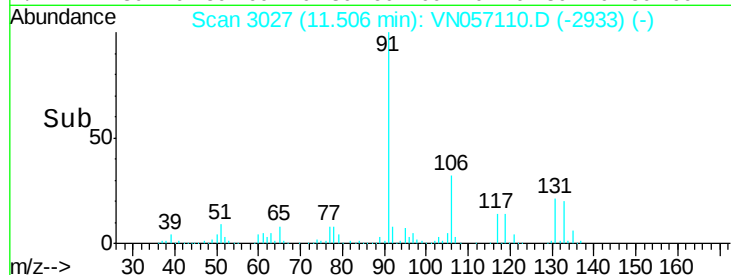
600000

400000

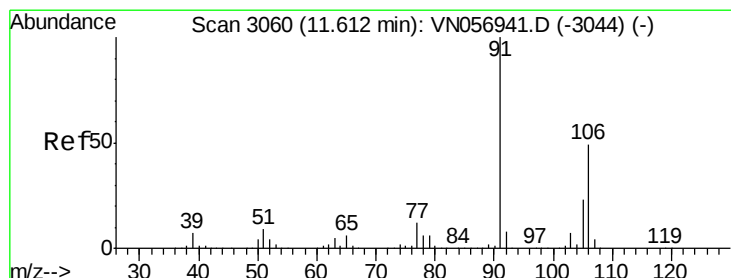
200000

0

11.40 11.45 11.50 11.55



Time--> 11.40 11.45 11.50 11.55



#68

m/p-Xylenes

Concen: 106.949 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN057110.D

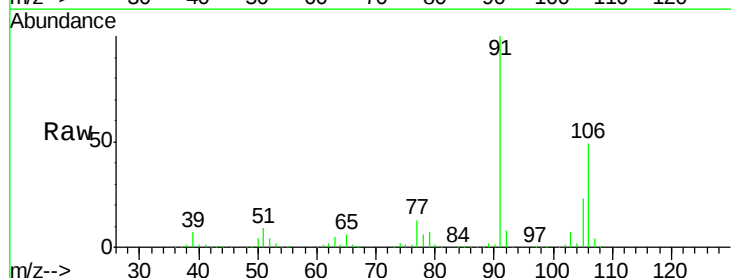
Acq: 6 Aug 2019 17:59

Tgt Ion: 106 Resp: 697928

Ion Ratio Lower Upper

106 100

91 201.9 160.0 240.0



Abundance Ion 106.00 (105.70 to 106.70): VN056941.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-3044) (-)

800000

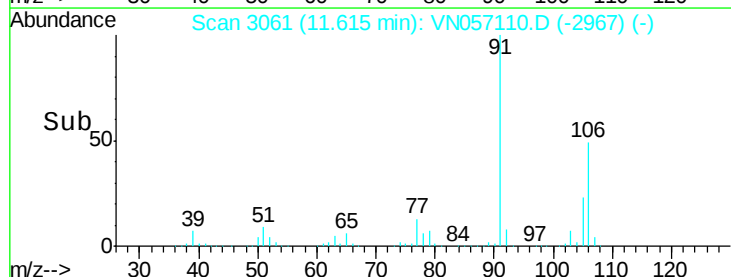
600000

400000

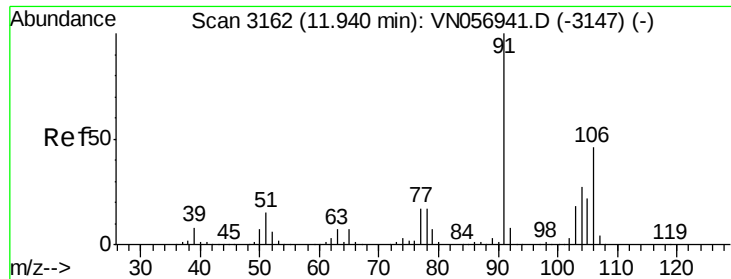
200000

0

11.50 11.60 11.70



Time--> 11.50 11.60 11.70



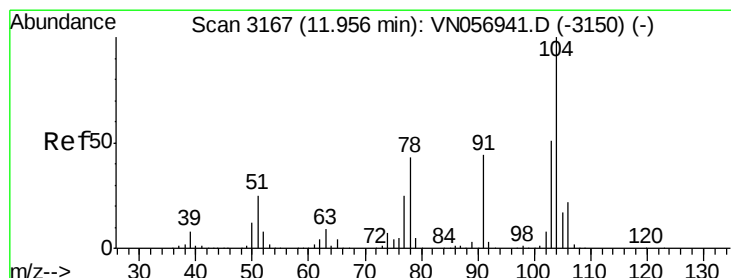
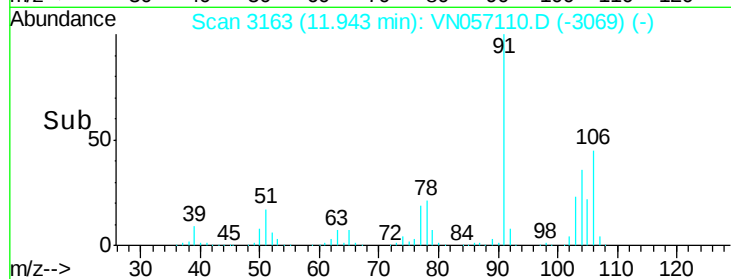
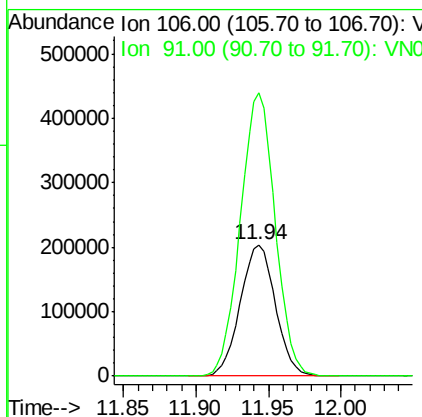
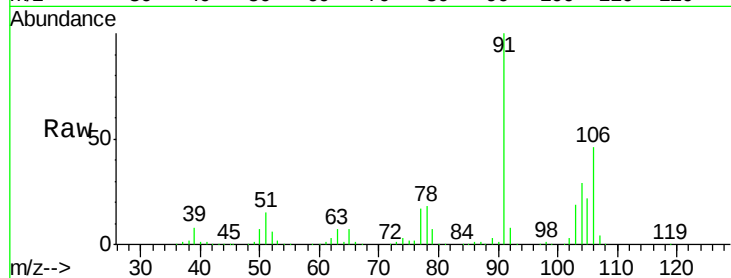
#69
o-Xylene
Concen: 53.751 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 343174
Ion Ratio Lower Upper
106 100
91 213.3 106.2 318.6

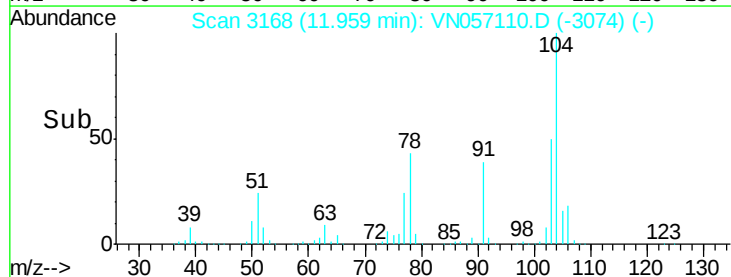
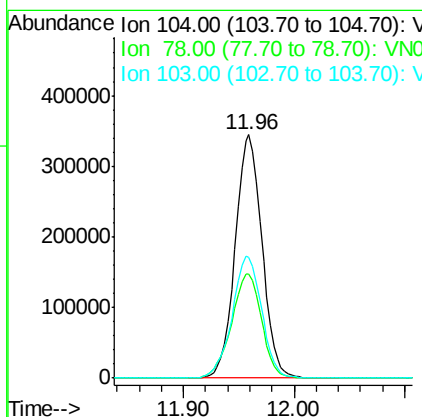
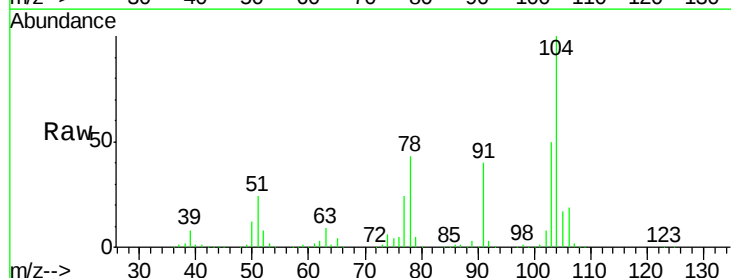
Manual Integrations
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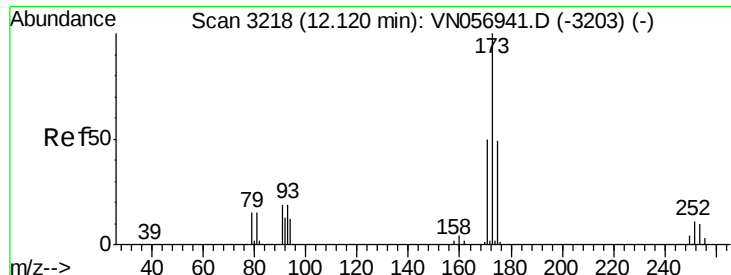
MMdadoda
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#70
Styrene
Concen: 51.403 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion:104 Resp: 580683
Ion Ratio Lower Upper
104 100
78 47.8 38.1 57.1
103 55.1 44.3 66.5





#71

Bromoform

Concen: 58.251 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

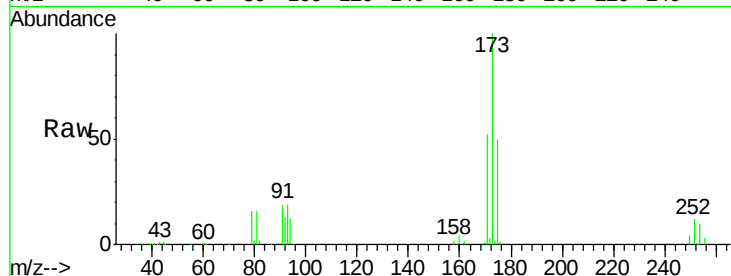
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.4
254	0.1	0.1	0.1

Manual Integrations
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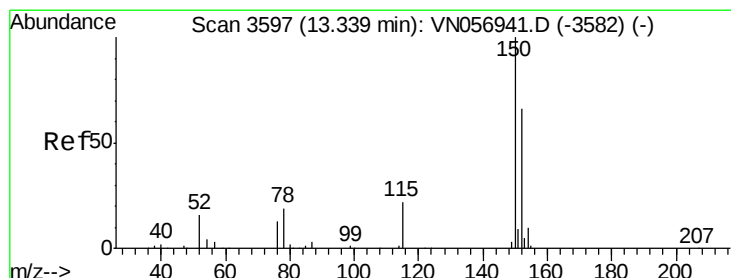
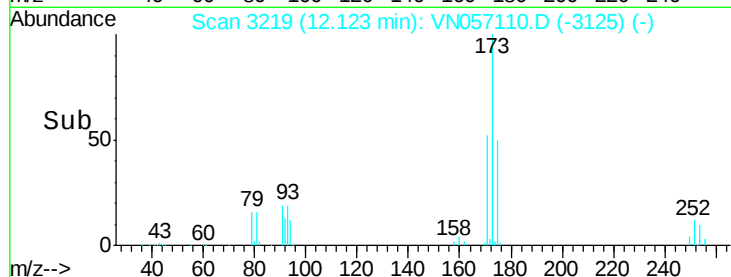
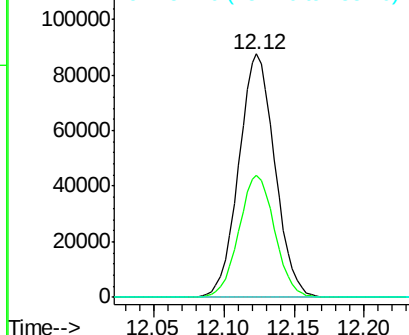


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

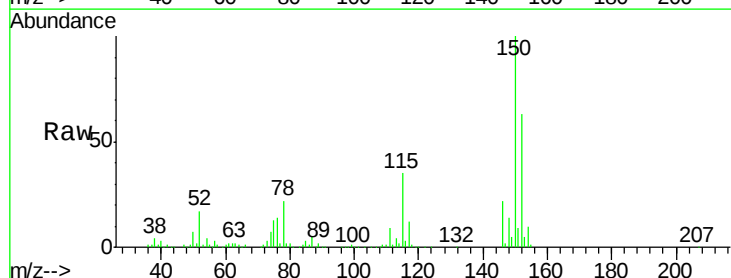
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.2	84.6
150	171.7	0.0	349.4

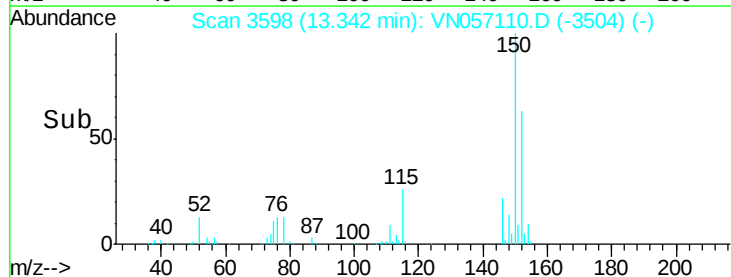
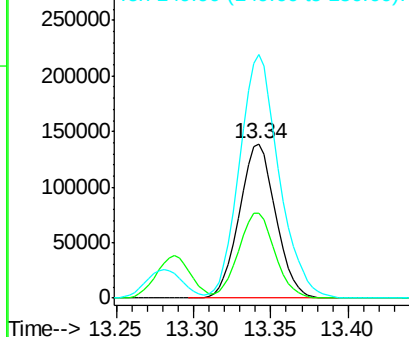


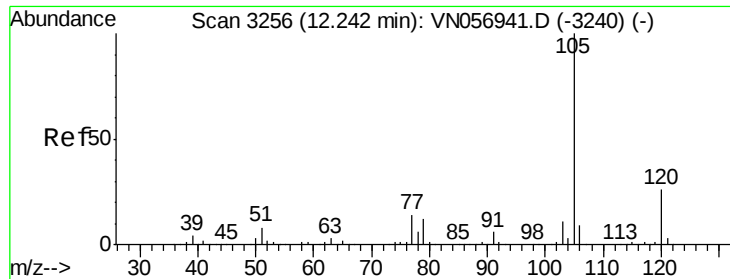
Abundance

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: 47.258 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 927502

Ion Ratio Lower Upper

105 100

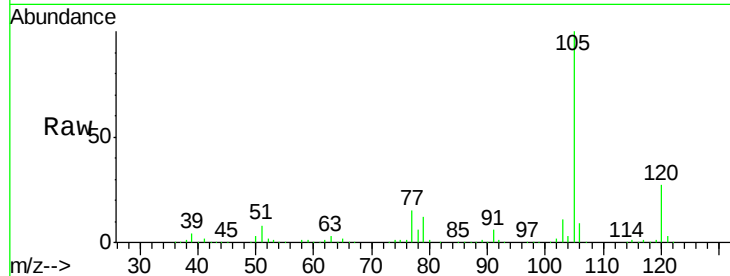
120 27.0 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

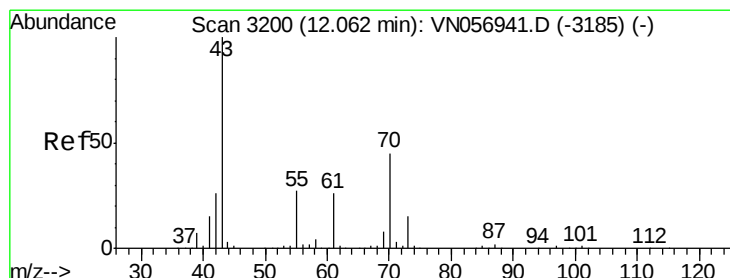
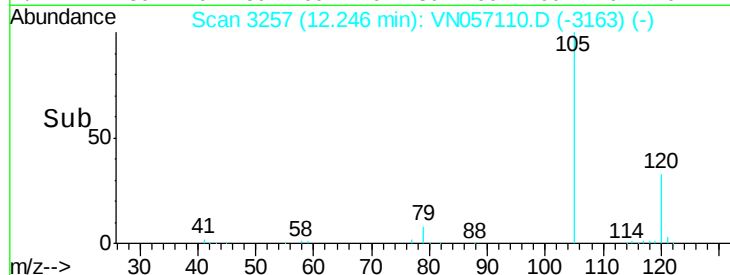
600000

400000

200000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 51.711 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Tgt Ion: 43 Resp: 294685

Ion Ratio Lower Upper

43 100

70 46.8 36.5 54.7

55 26.3 21.4 32.0

61 26.1 20.5 30.7

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

300000

250000

200000

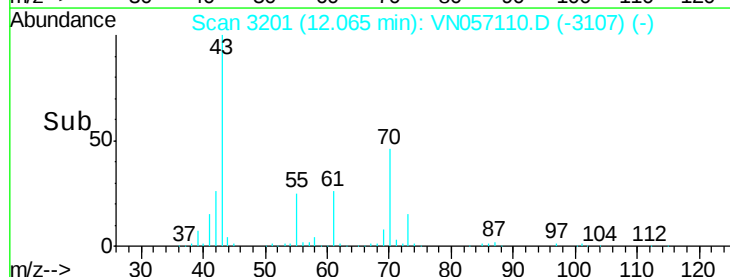
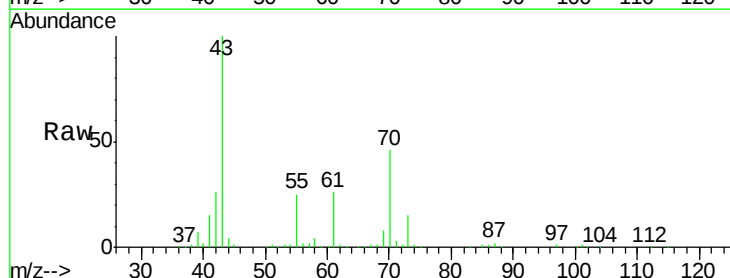
150000

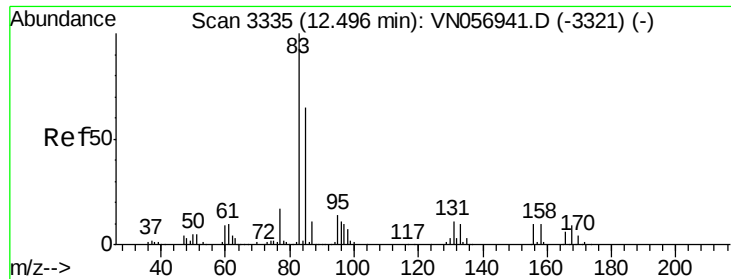
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 56.036 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

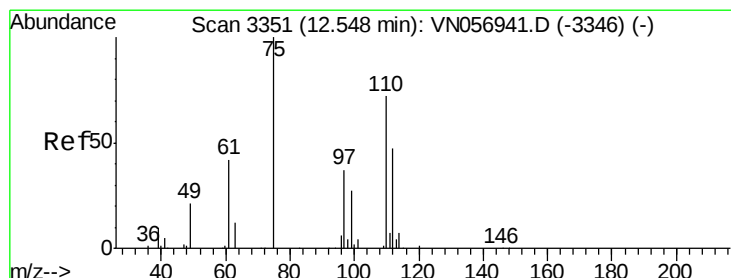
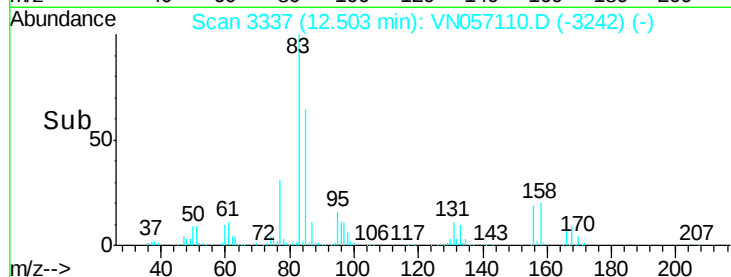
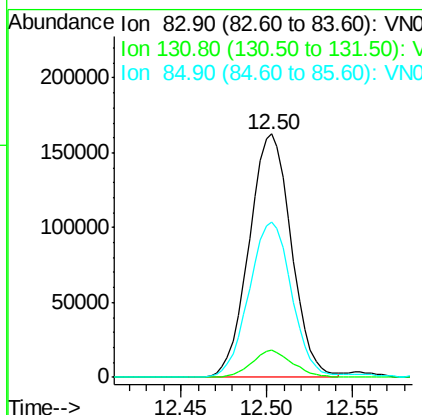
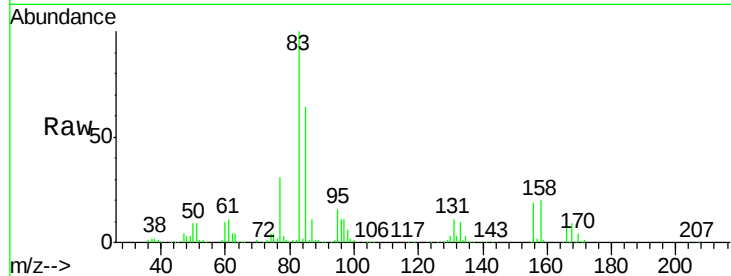
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	276447
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	64.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.106 ug/l m

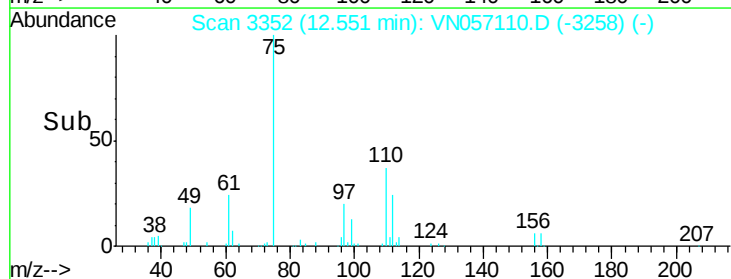
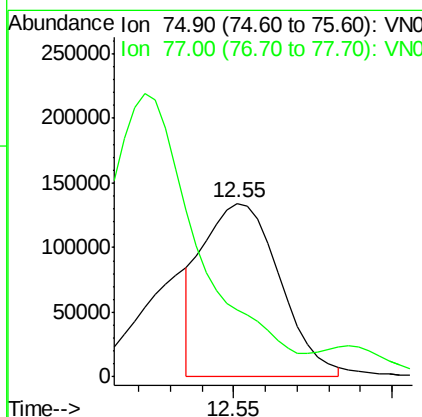
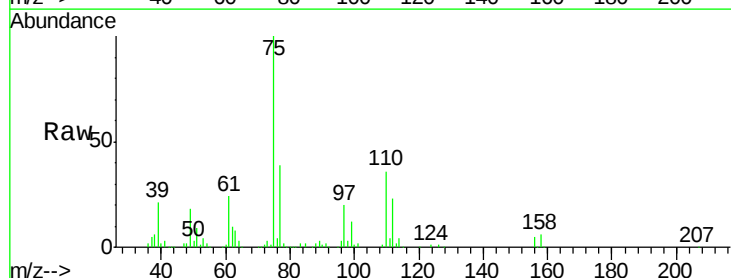
RT: 12.55 min Scan# 3352

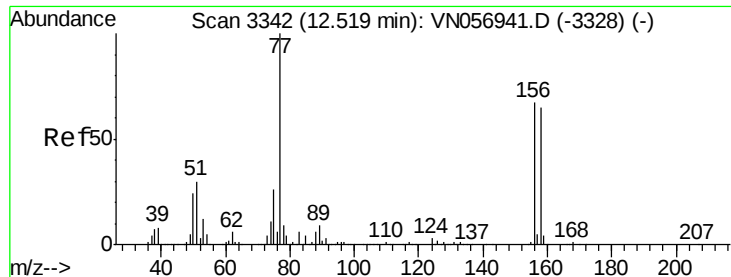
Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Tgt Ion:	75	Resp:	226468
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





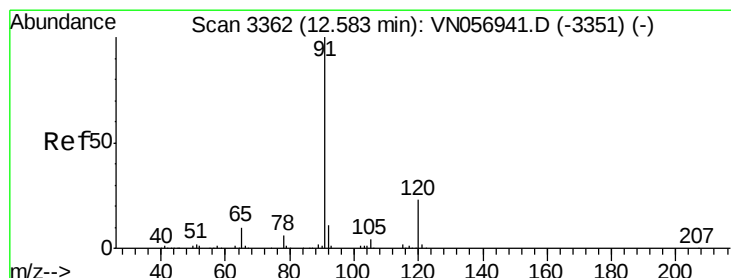
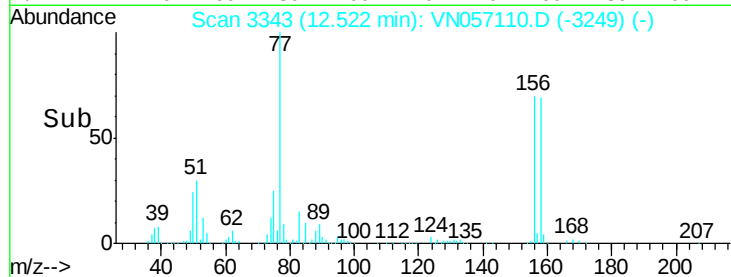
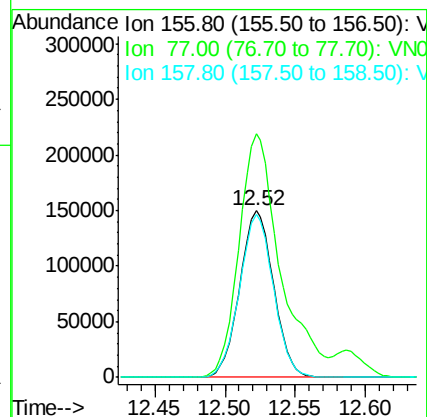
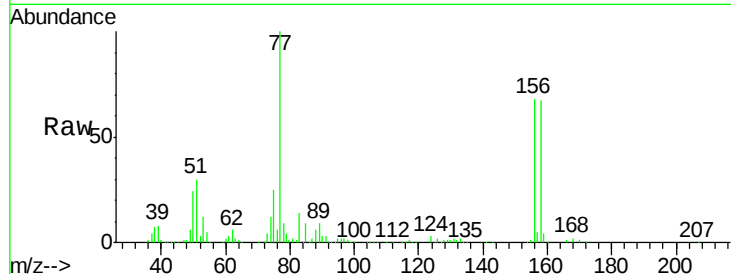
#77
Bromobenzene
Concen: 49.371 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
156	100	252891		
77	178.1	89.5	268.5	
158	98.0	48.4	145.3	

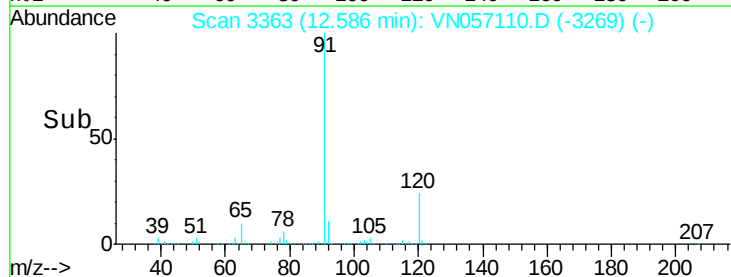
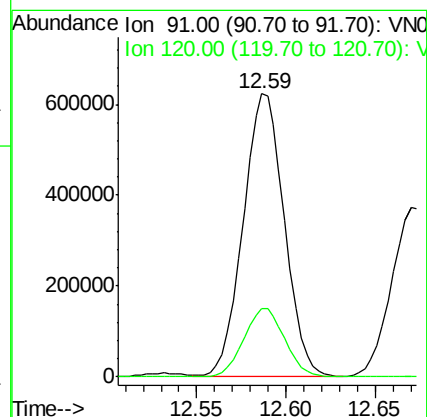
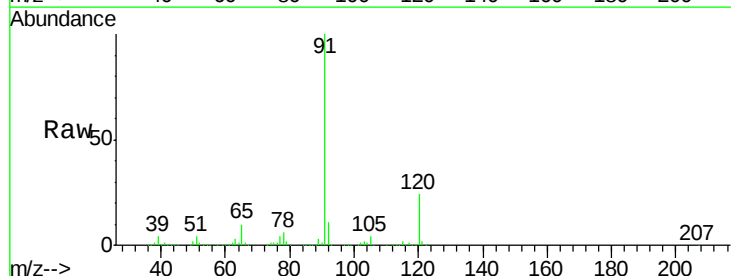
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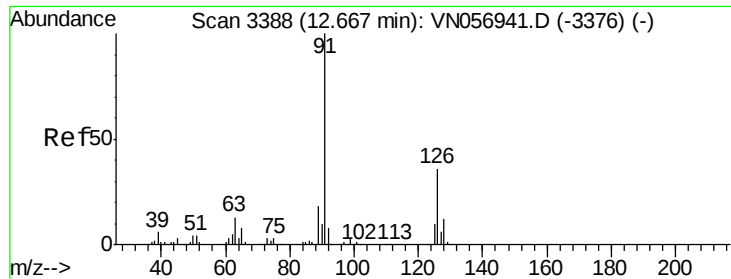
MMDadoda
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#78
n-propylbenzene
Concen: 47.682 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	999209		
120	24.2	11.8	35.4	





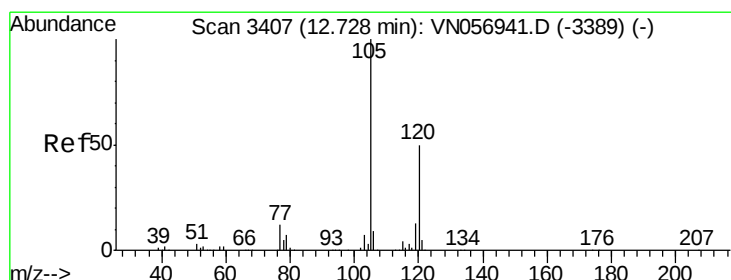
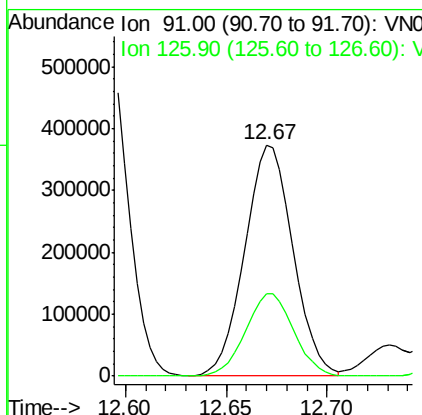
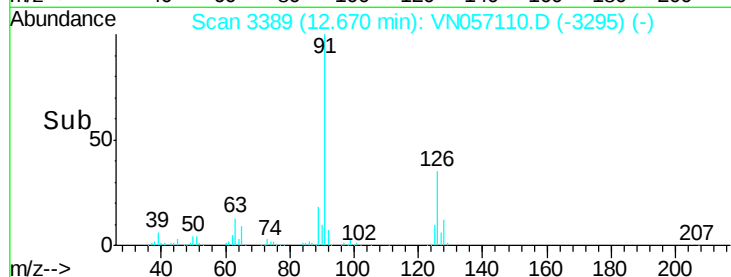
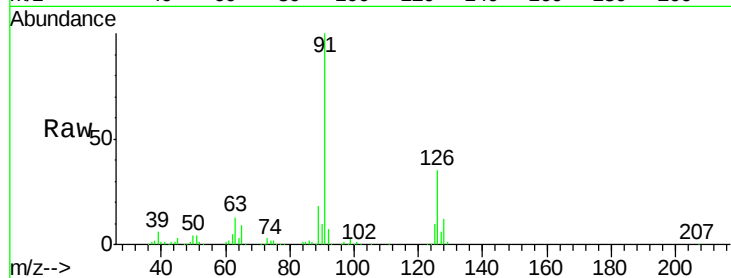
#79
2-Chlorotoluene
Concen: 48.206 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 622028
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.7

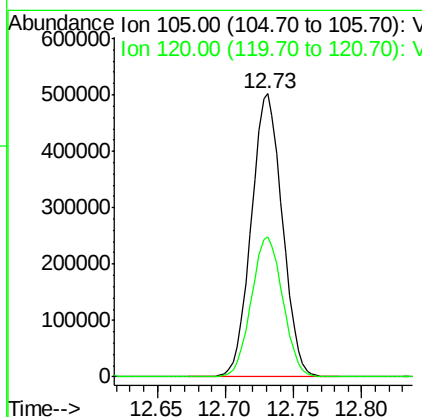
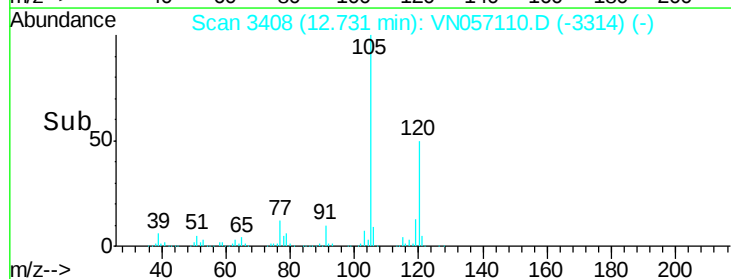
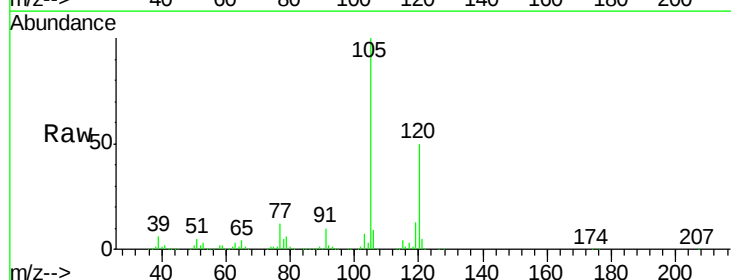
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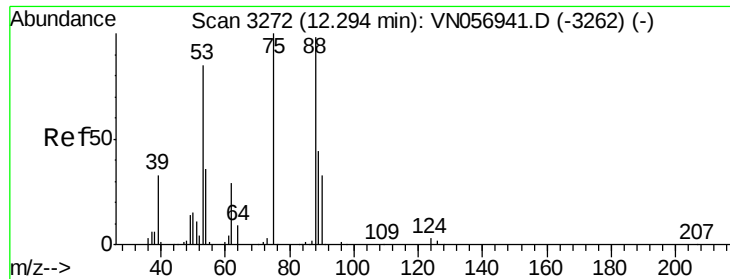
MMdadoda
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#80
1,3,5-Trimethylbenzene
Concen: 49.214 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion: 105 Resp: 792726
Ion Ratio Lower Upper
105 100
120 50.1 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.398 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

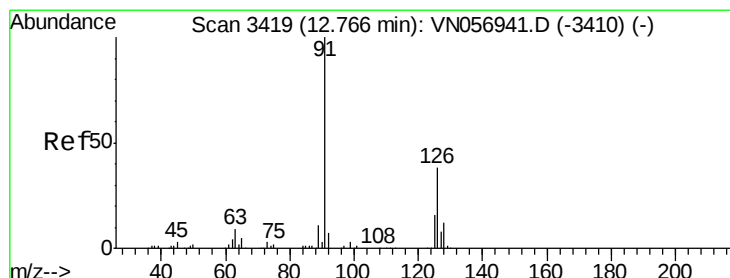
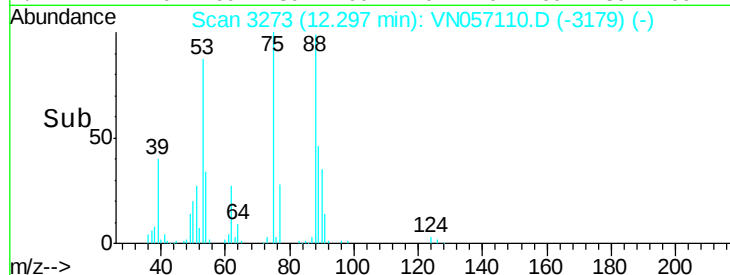
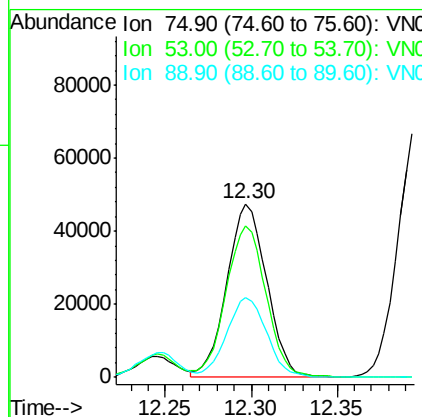
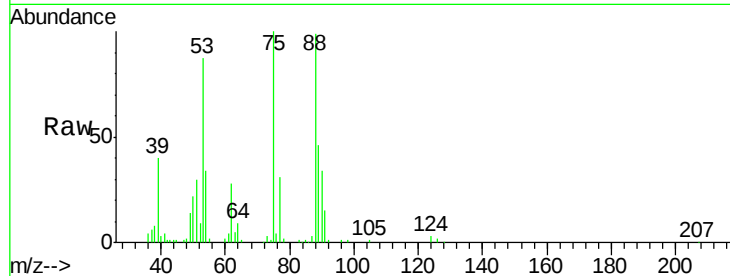
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	76646
Ion	Ratio	Lower	Upper
75	100		
53	88.1	69.3	103.9
89	46.1	35.8	53.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.389 ug/l

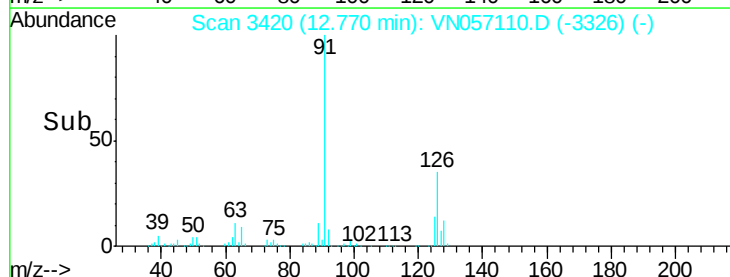
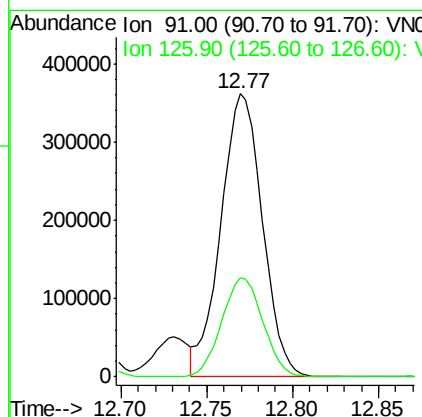
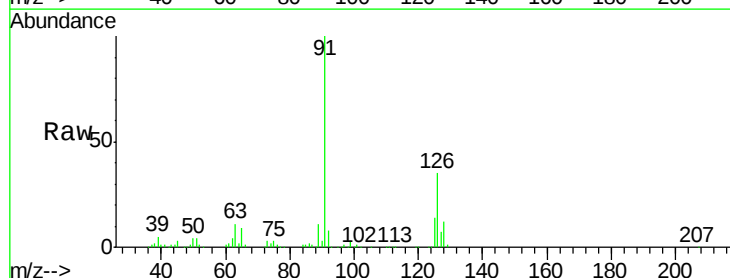
RT: 12.77 min Scan# 3420

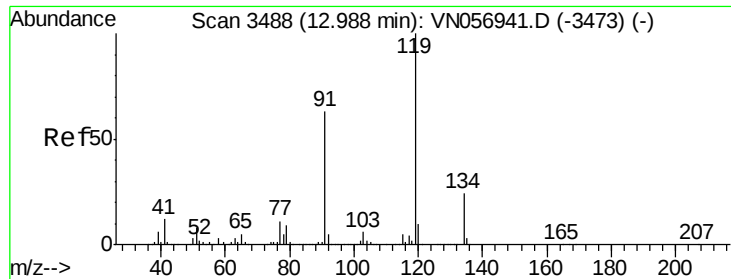
Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Tgt Ion:	91	Resp:	608472
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.5





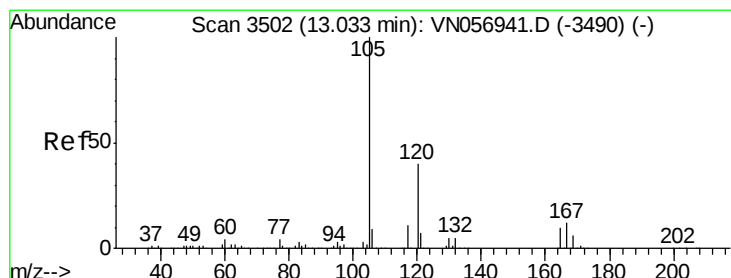
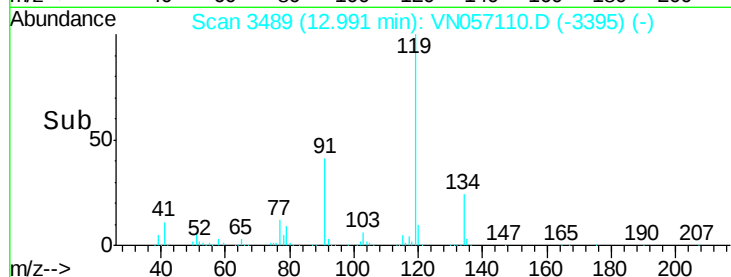
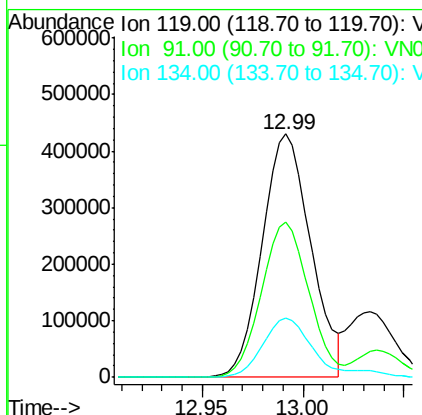
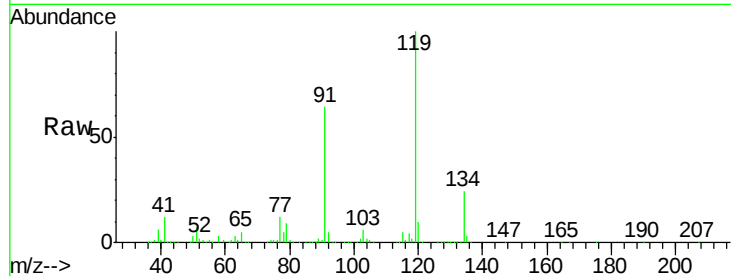
#83
tert-Butylbenzene
Concen: 50.606 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.3	93.8
134	26.2	13.3	39.8

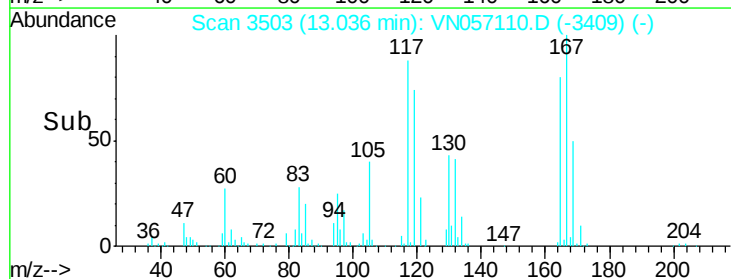
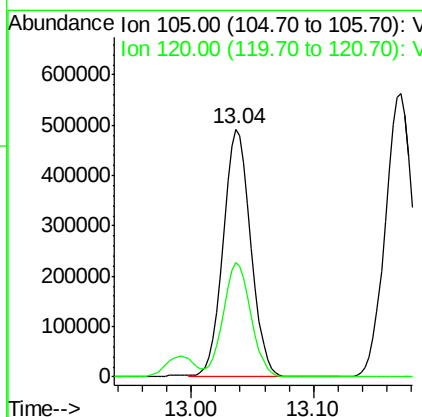
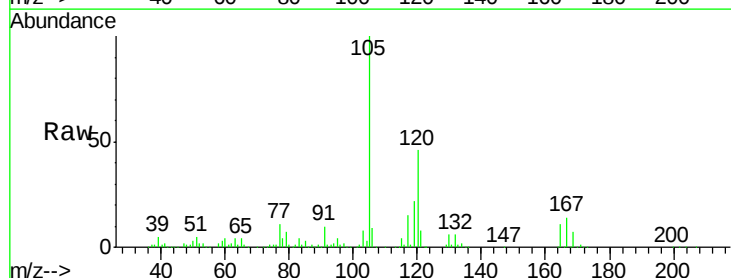
Manual Integrations
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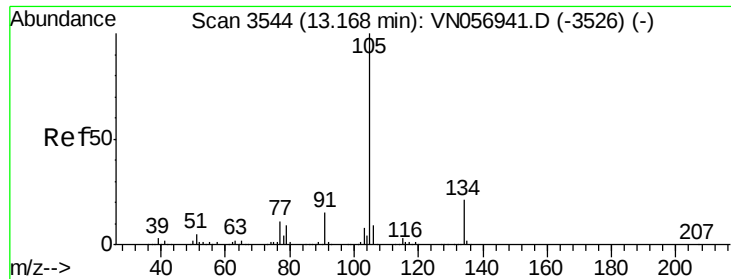
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.256 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.2	69.6





#85

sec-Butylbenzene

Concen: 49.162 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 904220

Ion Ratio Lower Upper

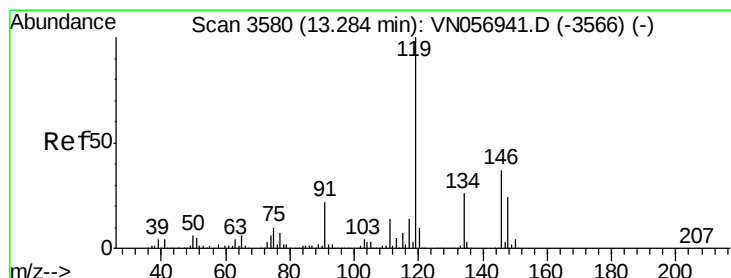
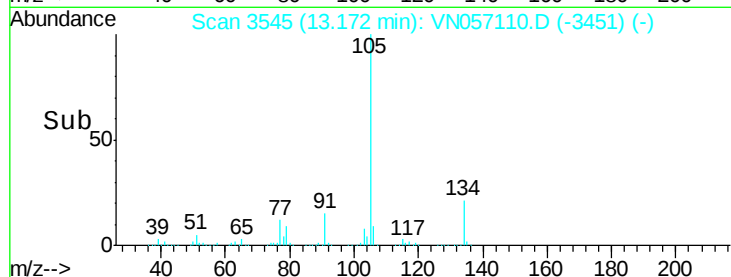
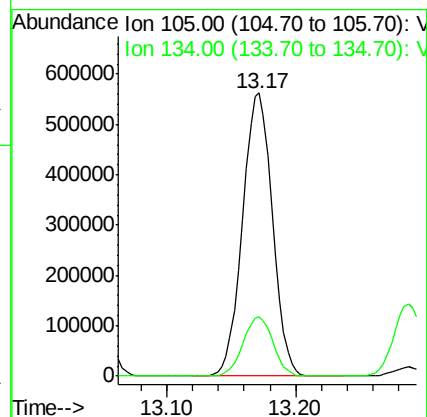
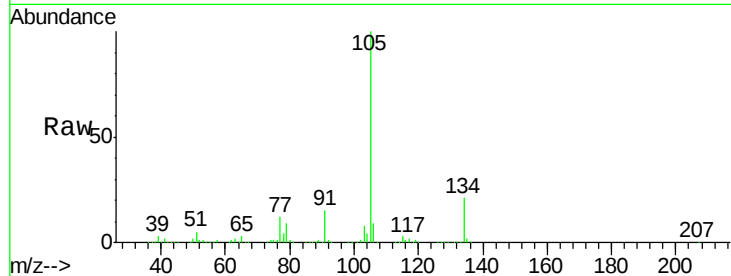
105 100

134 21.0 10.3 30.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.110 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

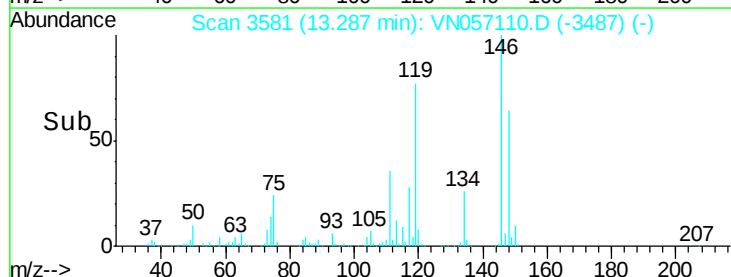
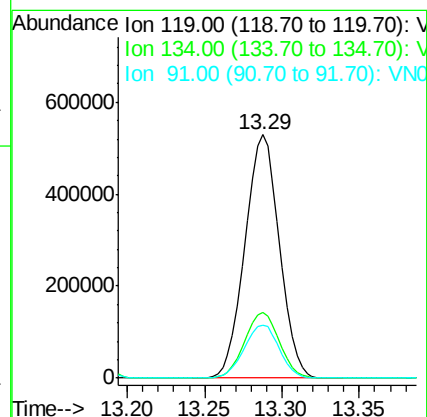
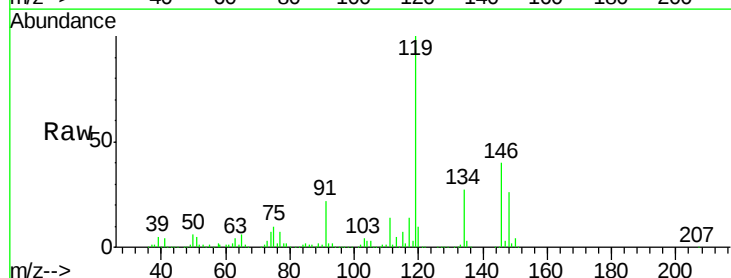
Tgt Ion:119 Resp: 818279

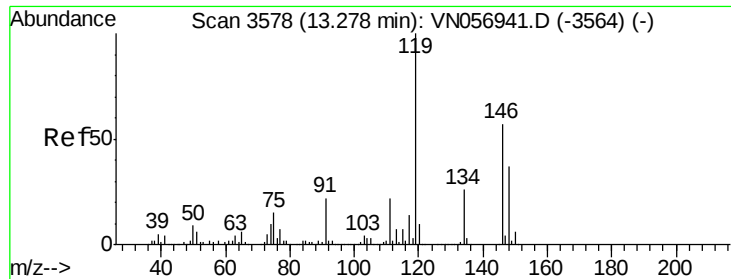
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 22.3 11.0 33.0





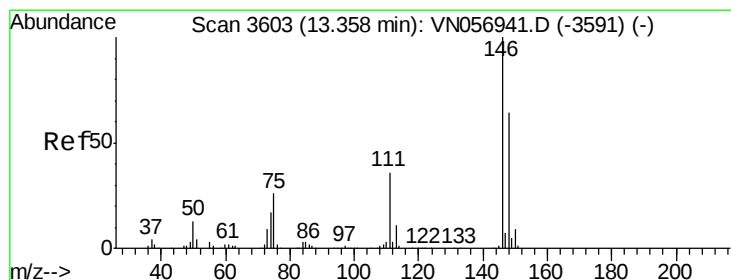
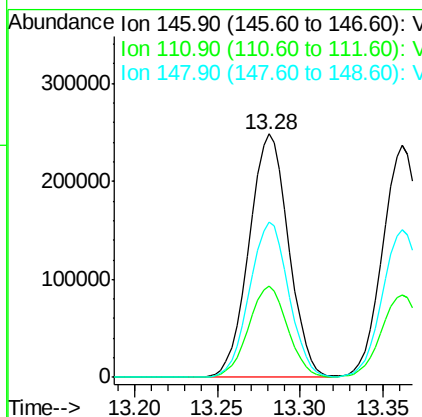
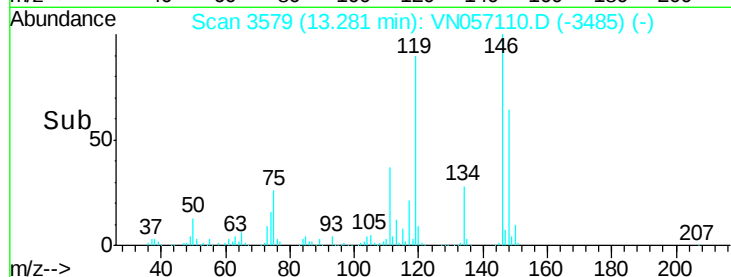
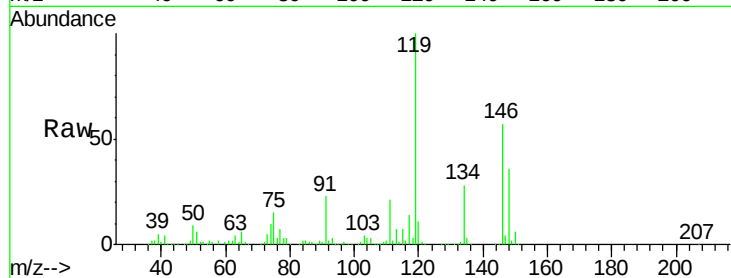
#87
 1,3-Dichlorobenzene
 Concen: 52.955 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	63.5	32.2	96.6

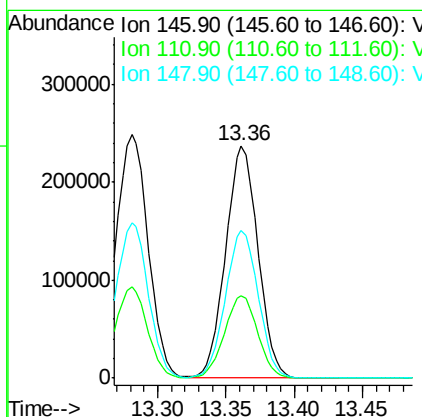
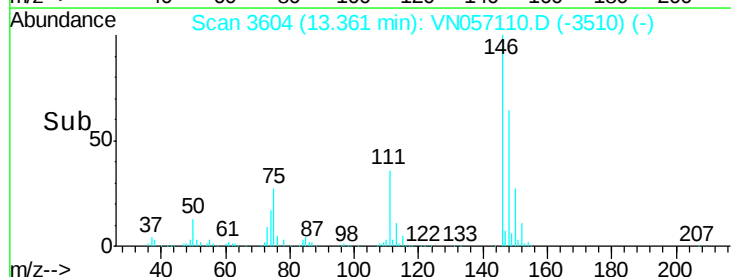
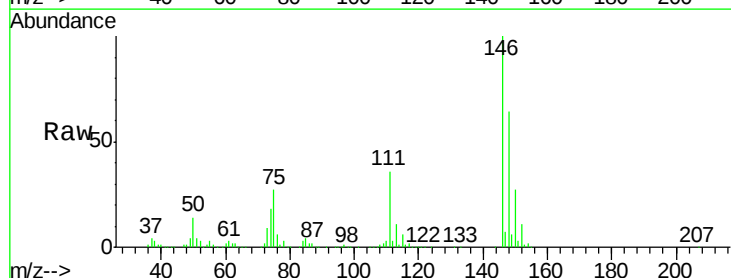
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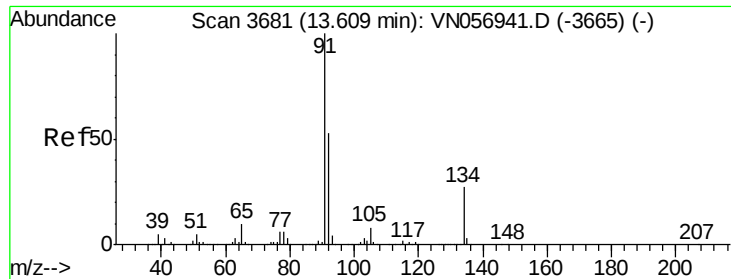
MMdadoda
 8/9/2019 12:51:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.115 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.2
148	64.6	32.3	96.9





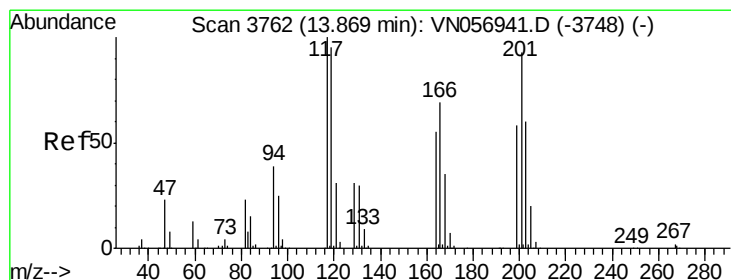
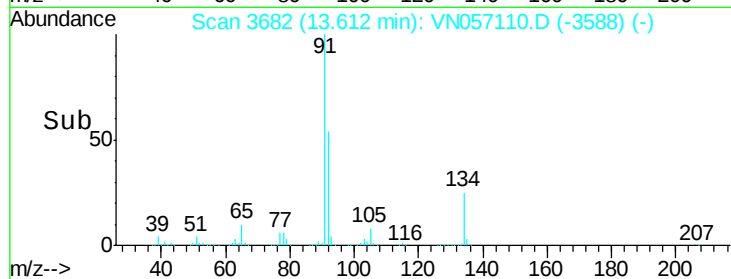
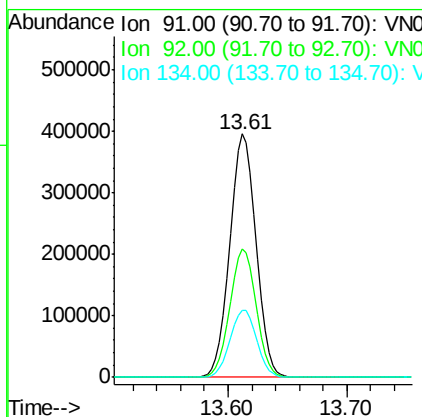
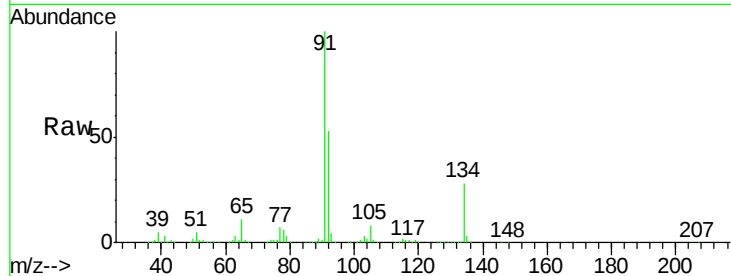
#89
n-Butylbenzene
Concen: 48.056 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.5
134	28.0	13.5	40.4

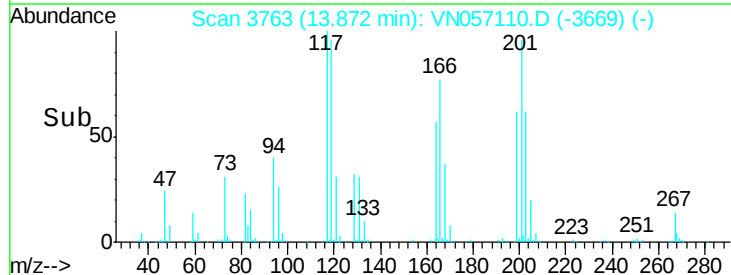
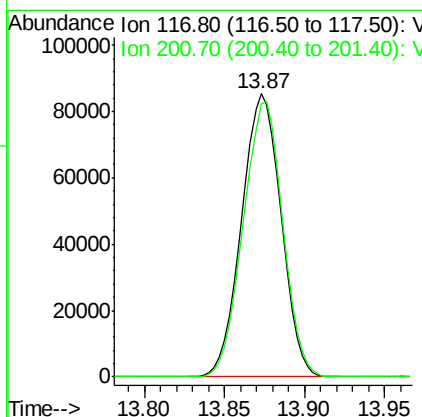
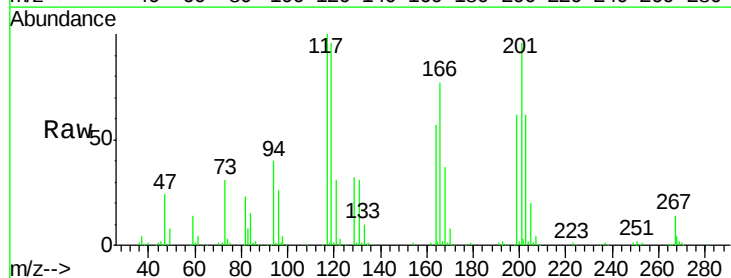
Manual Integrations
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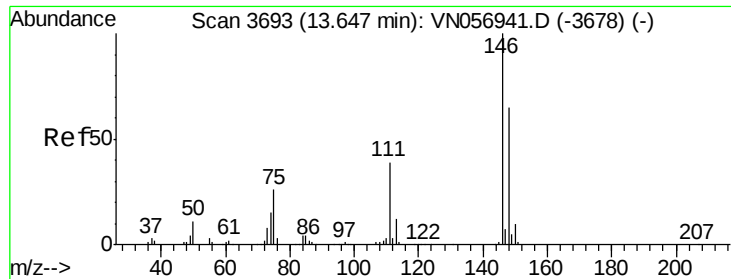
MMdadoda
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#90
Hexachloroethane
Concen: 51.037 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057110.D
Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	47.0	141.2





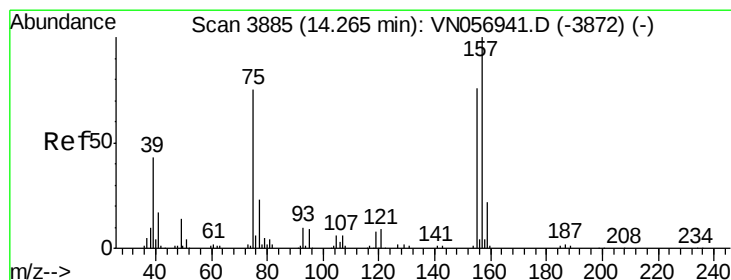
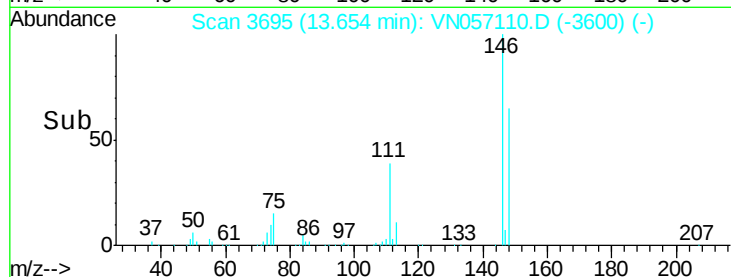
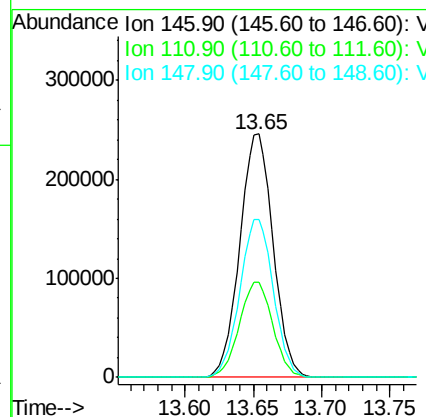
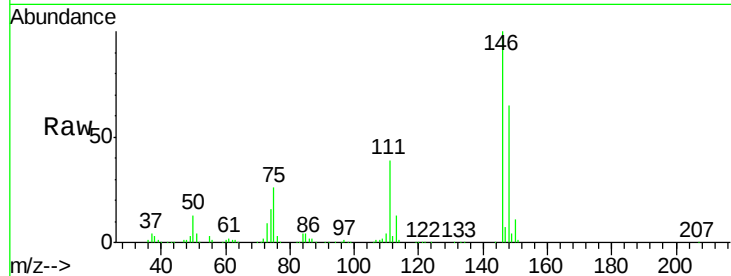
#91
 1,2-Dichlorobenzene
 Concen: 54.345 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.01 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.4
148	65.1	32.2	96.6

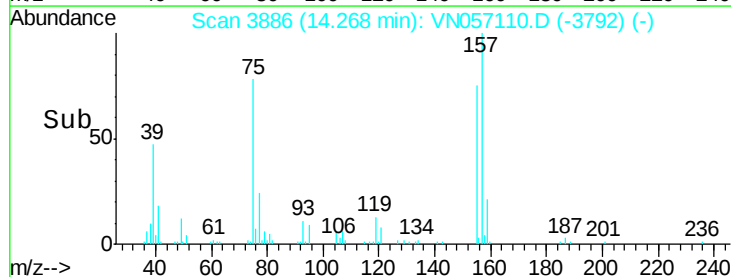
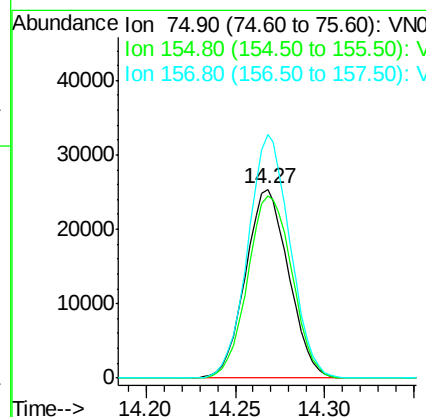
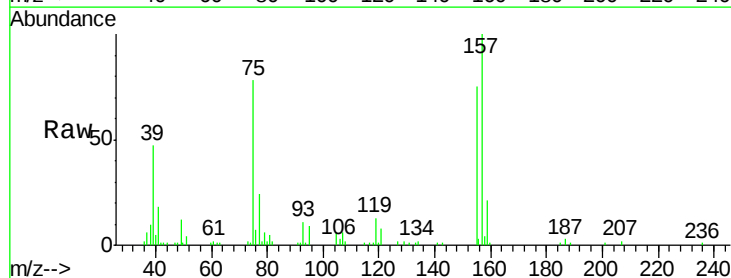
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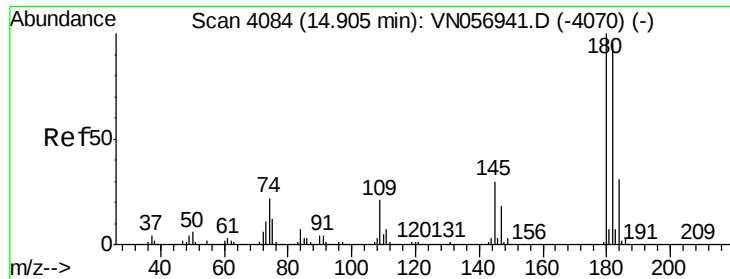
MMdadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.073 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	50.2	150.6
157	125.7	65.1	195.4





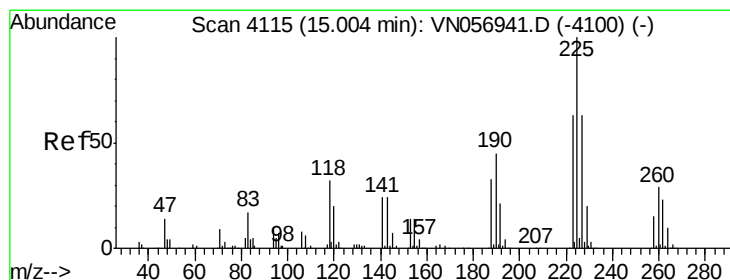
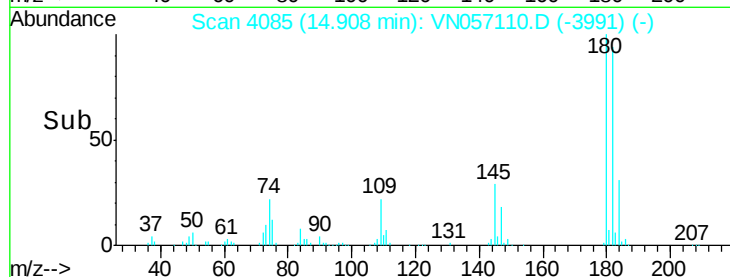
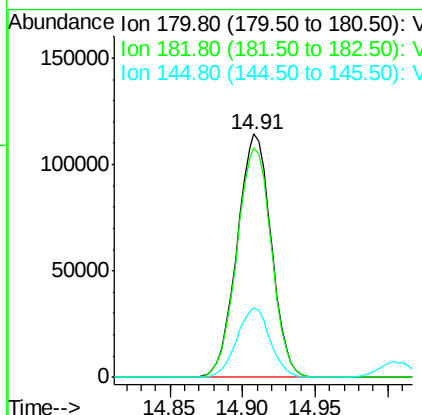
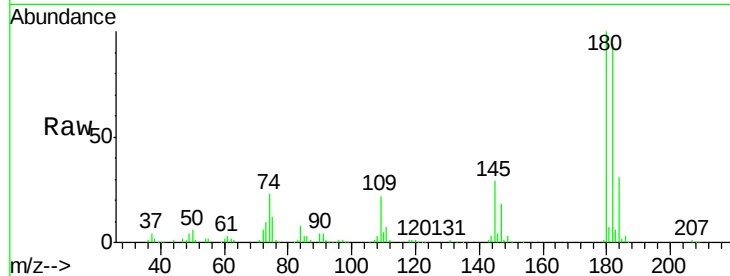
#93
 1,2,4-Trichlorobenzene
 Concen: 47.289 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.6	142.8
145	27.8	14.2	42.8

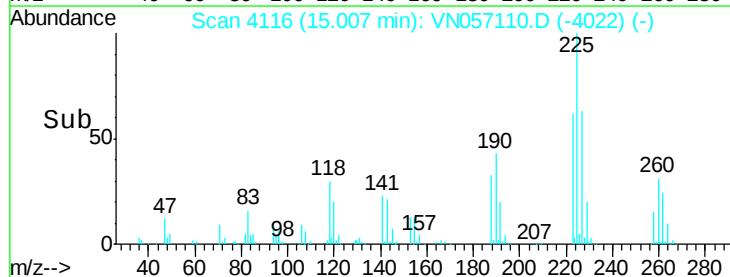
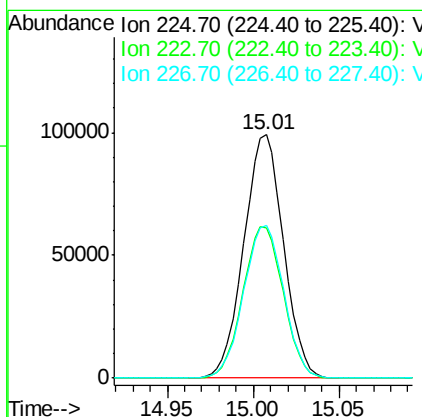
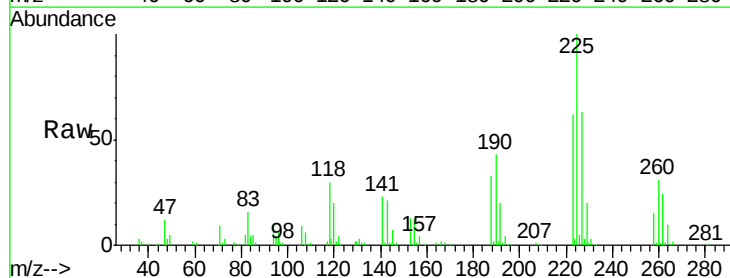
Manual Integrations
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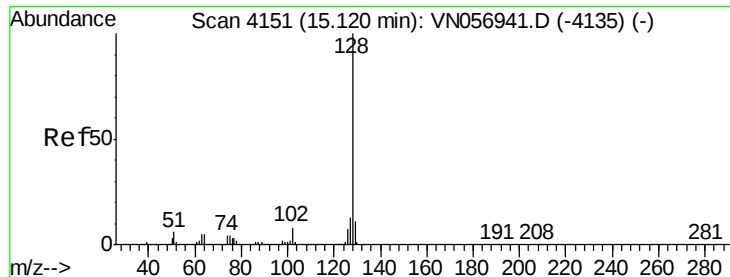
MMDadoda
 8/9/2019 12:51:41 AM



#94
 Hexachlorobutadiene
 Concen: 59.827 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN057110.D
 Acq: 6 Aug 2019 17:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.4
227	63.6	31.1	93.5





#95

Naphthalene

Concen: 47.298 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Instrument :

MSVOA_N

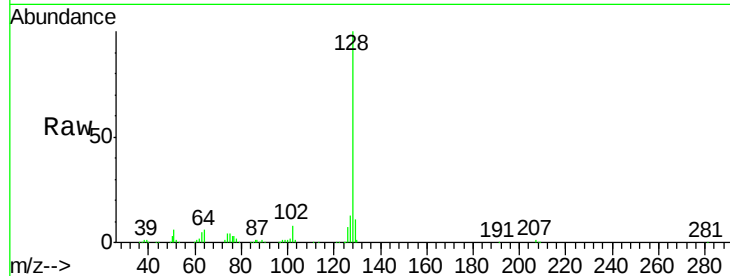
ClientSampleId :

VSTDCCC050EC

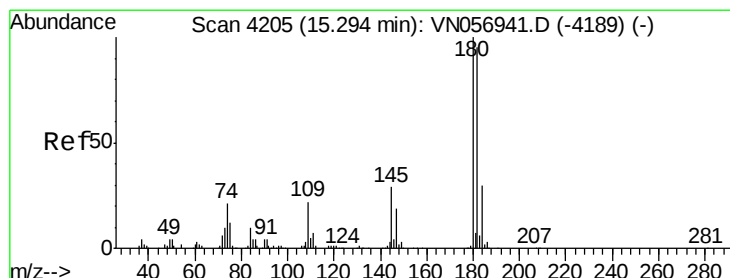
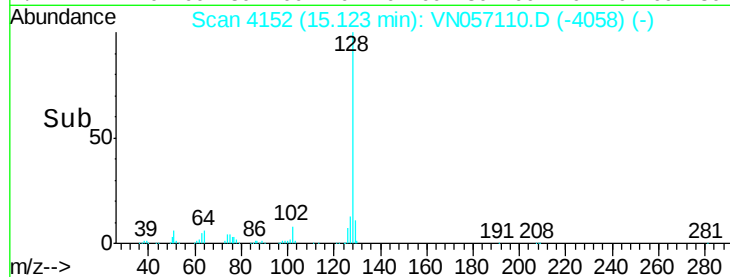
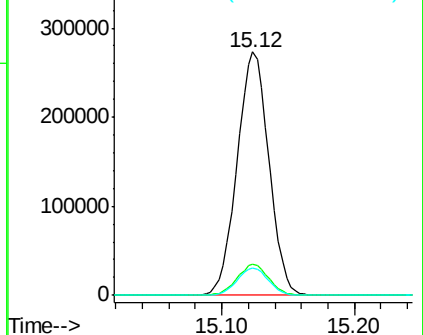
Tot Ion:	128	Resp:	454353
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.0	15.0
129	11.0	8.7	13.1

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.408 ug/l

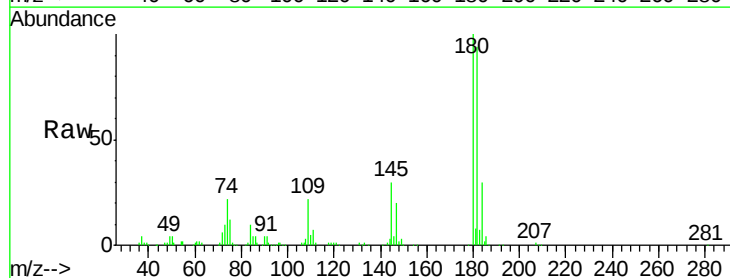
RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057110.D

Acq: 6 Aug 2019 17:59

Tgt Ion:	180	Resp:	205753
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.2
145	30.2	15.0	45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

