

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061040.D
 Acq On : 17 Apr 2020 10:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:20:11 AM

Quant Time: Apr 20 01:54:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	163404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	272321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	247993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	116562	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	94680	45.29	ug/l	0.00
Spiked Amount						
			Recovery	=	90.58%	
35) Dibromofluoromethane	7.56	113	74327	46.74	ug/l	0.00
Spiked Amount						
			Recovery	=	93.48%	
50) Toluene-d8	10.08	98	264358	43.99	ug/l	0.00
Spiked Amount						
			Recovery	=	87.98%	
62) 4-Bromofluorobenzene	12.39	95	106314	45.14	ug/l	0.00
Spiked Amount						
			Recovery	=	90.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	100928	46.755	ug/l	100
3) Chloromethane	2.04	50	129665	44.741	ug/l	99
4) Vinyl Chloride	2.17	62	110175	45.746	ug/l	99
5) Bromomethane	2.54	94	55790	46.193	ug/l	100
6) Chloroethane	2.68	64	67189	48.362	ug/l	99
7) Trichlorofluoromethane	3.00	101	144189	48.089	ug/l	99
8) Diethyl Ether	3.38	74	58696	49.254	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84010	47.756	ug/l	99
10) Methyl Iodide	3.92	142	90371	58.232	ug/l	100
11) Tert butyl alcohol	4.72	59	93753	252.747	ug/l	100
12) 1,1-Dichloroethene	3.71	96	83229	46.544	ug/l	96
13) Acrolein	3.57	56	77836	248.520	ug/l	100
14) Allyl chloride	4.29	41	151927	44.904	ug/l	98
15) Acrylonitrile	4.94	53	259874	258.389	ug/l	99
16) Acetone	3.77	43	244005	265.165	ug/l	100
17) Carbon Disulfide	4.03	76	252540	45.133	ug/l	99
18) Methyl Acetate	4.28	43	148613	51.503	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	307755	49.359	ug/l	97
20) Methylene Chloride	4.52	84	96642	48.102	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	89738	46.921	ug/l	96
22) Diisopropyl ether	5.91	45	339284	48.284	ug/l	99
23) Vinyl Acetate	5.85	43	1366330	247.962	ug/l	99
24) 1,1-Dichloroethane	5.81	63	177999	46.902	ug/l	99
25) 2-Butanone	6.79	43	362925	257.378	ug/l	100
26) 2,2-Dichloropropane	6.79	77	151279	47.874	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	105078	47.855	ug/l	99
28) Bromochloromethane	7.16	49	80825	46.396	ug/l	100
29) Tetrahydrofuran	7.17	42	237483	248.078	ug/l	98
30) Chloroform	7.34	83	171066	48.326	ug/l	99
31) Cyclohexane	7.63	56	171242	43.971	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	145053	47.374	ug/l	100
36) 1,1-Dichloropropene	7.76	75	131996	46.972	ug/l	100
37) Ethyl Acetate	6.89	43	148240	48.582	ug/l	100
38) Carbon Tetrachloride	7.75	117	115645	49.441	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	159559	47.493	ug/l	99
40) Benzene	8.01	78	397174	47.642	ug/l	99
41) Methacrylonitrile	7.15	41	76080m	59.778	ug/l	
42) 1,2-Dichloroethane	8.10	62	143203	50.425	ug/l	99
43) Isopropyl Acetate	8.13	43	249500	50.276	ug/l	100
44) Trichloroethene	8.81	130	99452	47.477	ug/l	99
45) 1,2-Dichloropropane	9.10	63	108500	48.185	ug/l	98
46) Dibromomethane	9.19	93	66035	50.864	ug/l	99
47) Bromodichloromethane	9.38	83	136654	49.826	ug/l	100
48) Methyl methacrylate	9.18	41	111506	50.844	ug/l	99
49) 1,4-Dioxane	9.17	88	32946	1080.800	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	731226	255.604	ug/l	100
52) Toluene	10.14	92	240297	48.047	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	161384	50.657	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	173205	49.829	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	95376	50.393	ug/l	98
56) Ethyl methacrylate	10.42	69	154504	51.914	ug/l	98
57) 1,3-Dichloropropane	10.69	76	166590	49.347	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	406931	300.905	ug/l	99
59) 2-Hexanone	10.74	43	538935	261.222	ug/l	100
60) Dibromochloromethane	10.89	129	99867	51.366	ug/l	99
61) 1,2-Dibromoethane	10.99	107	96749	50.166	ug/l	100
64) Tetrachloroethene	10.62	164	93106	49.063	ug/l	99
65) Chlorobenzene	11.42	112	247598	48.364	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	90806	49.578	ug/l	99
67) Ethyl Benzene	11.50	91	465343	48.322	ug/l	99
68) m/p-Xylenes	11.61	106	338273	97.198	ug/l	100
69) o-Xylene	11.94	106	163474	48.854	ug/l	99
70) Styrene	11.96	104	270769	50.263	ug/l	100
71) Bromoform	12.12	173	72164	52.783	ug/l #	99
73) Isopropylbenzene	12.24	105	436717	46.766	ug/l	100
74) N-amyl acetate	12.06	43	215125	49.538	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	141108	49.501	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	122880m	47.927	ug/l	
77) Bromobenzene	12.52	156	103556	47.495	ug/l	100
78) n-propylbenzene	12.58	91	520754	47.664	ug/l	100
79) 2-Chlorotoluene	12.67	91	306401	47.816	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	370245	47.967	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	51668	49.707	ug/l	98
82) 4-Chlorotoluene	12.77	91	317619	47.792	ug/l	100
83) tert-Butylbenzene	12.99	119	307354	47.348	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	374839	49.128	ug/l	100
85) sec-Butylbenzene	13.17	105	418722	47.607	ug/l	100
86) p-Isopropyltoluene	13.28	119	377198	48.160	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	185206	47.664	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	185556	47.468	ug/l	99
89) n-Butylbenzene	13.61	91	350170	48.079	ug/l	100
90) Hexachloroethane	13.87	117	56784	47.256	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	179136	48.303	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	28732	52.080	ug/l	99

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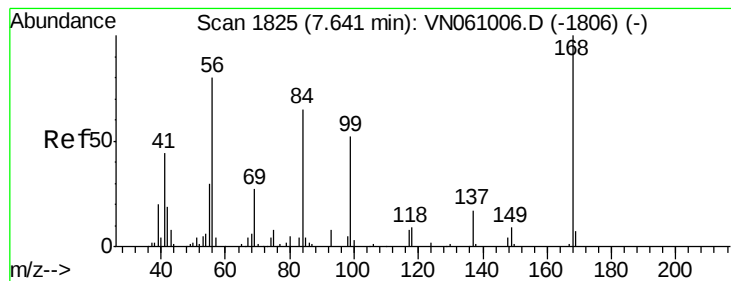
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	110007	50.116	ug/l	99
94) Hexachlorobutadiene	15.01	225	53477	47.358	ug/l	98
95) Naphthalene	15.13	128	326449	50.995	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	105628	49.934	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 163404

Ion Ratio Lower Upper

168 100

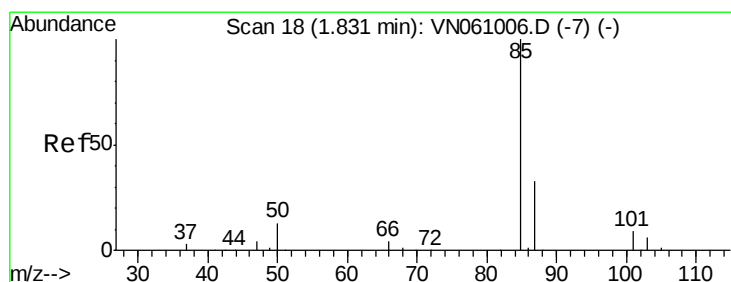
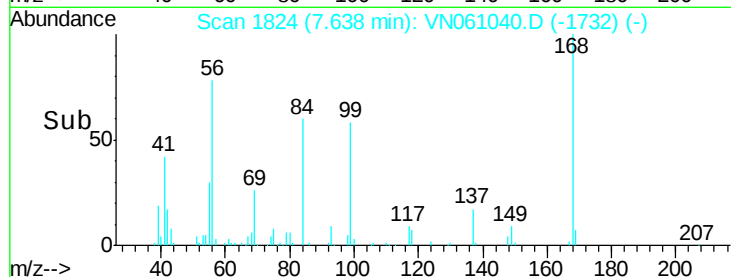
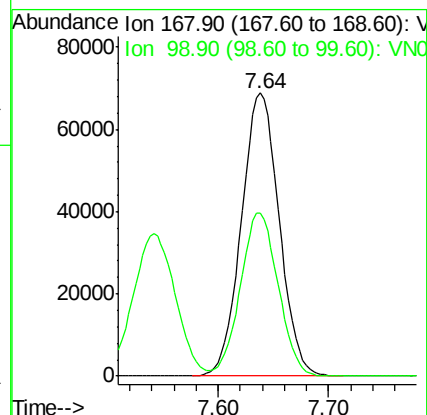
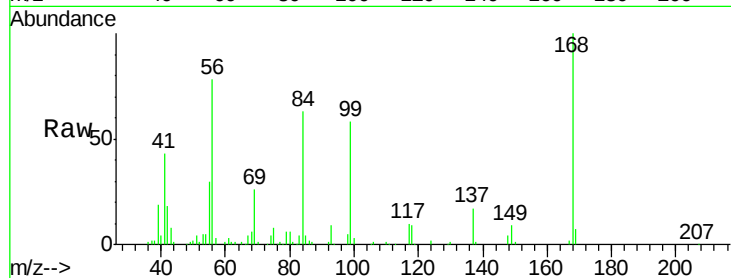
99 57.8 47.4 71.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.755 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061040.D

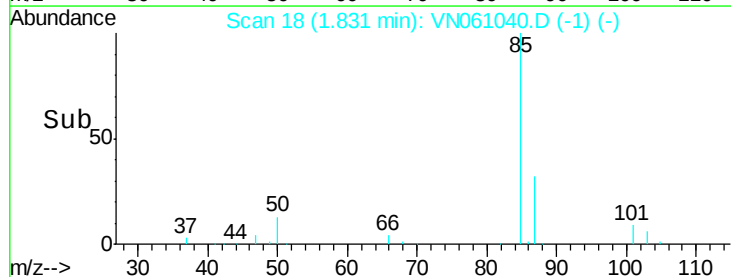
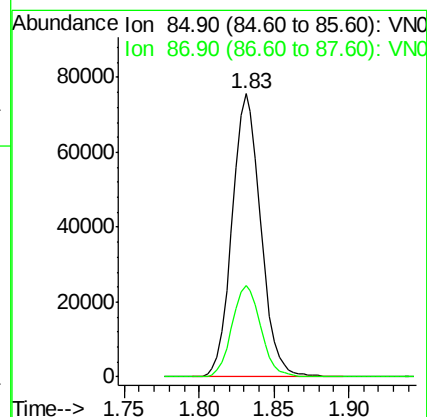
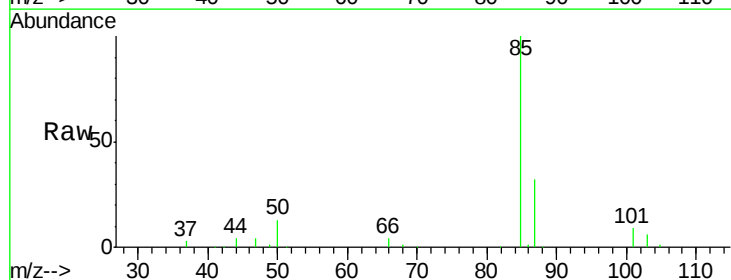
Acq: 17 Apr 2020 10:53

Tgt Ion: 85 Resp: 100928

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9





#3

Chloromethane

Concen: 44.741 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 129665

Ion Ratio Lower Upper

50 100

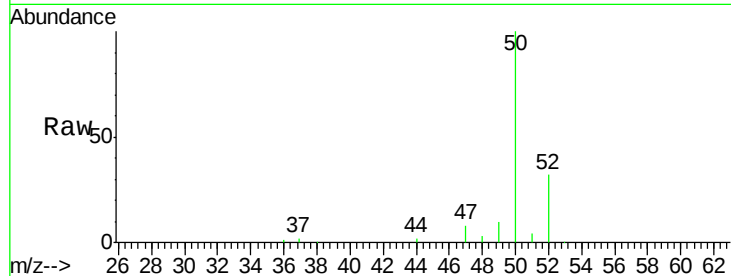
52 32.4 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

100000

80000

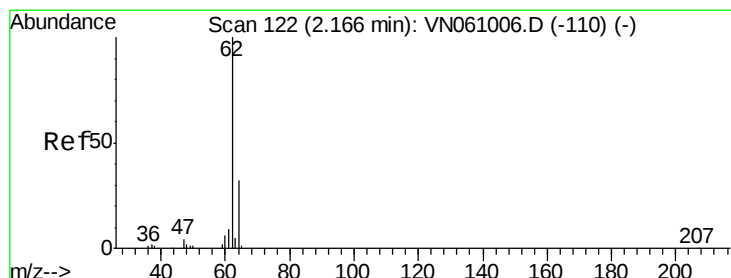
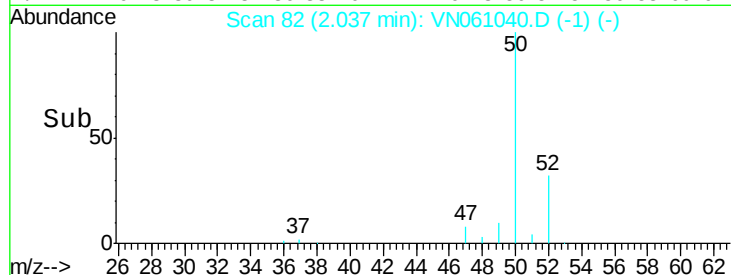
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.746 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061040.D

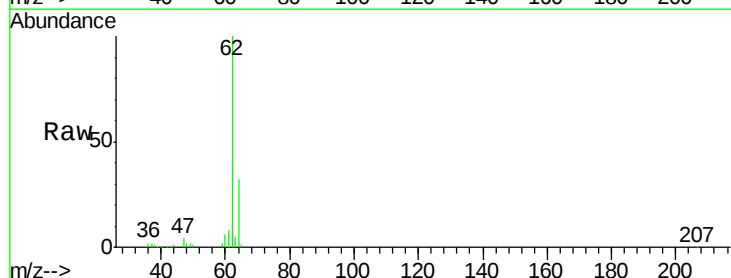
Acq: 17 Apr 2020 10:53

Tgt Ion: 62 Resp: 110175

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

80000

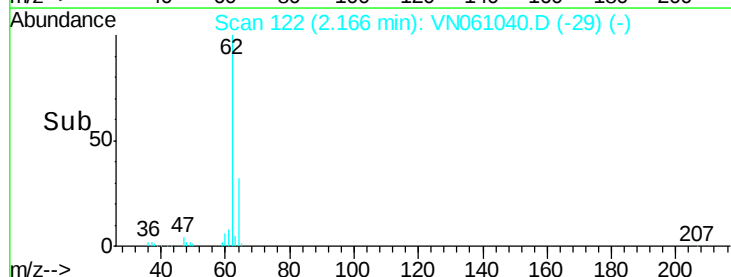
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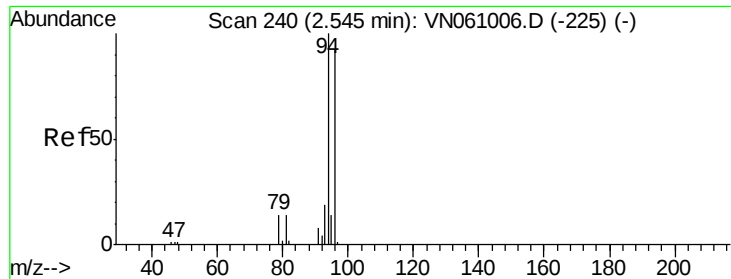
40000

20000

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Time-->





#5

Bromomethane

Concen: 46.193 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 55790

Ion Ratio Lower Upper

94 100

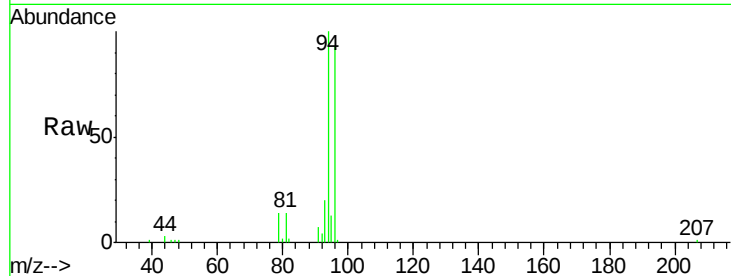
96 93.1 74.3 111.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

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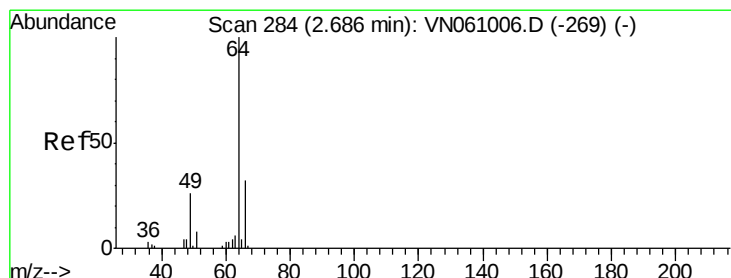
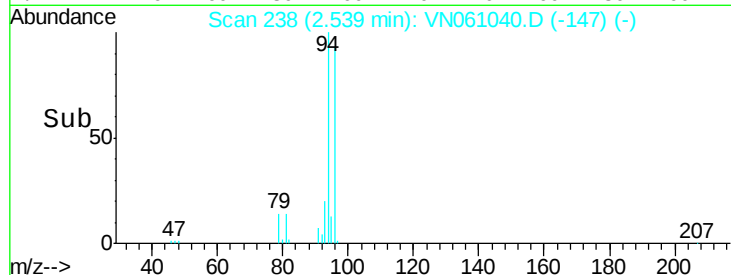
2.54

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#6

Chloroethane

Concen: 48.362 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN061040.D

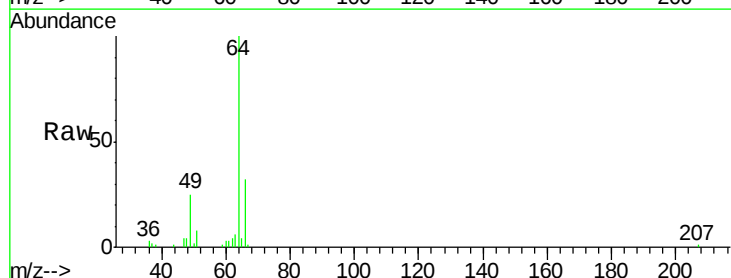
Acq: 17 Apr 2020 10:53

Tgt Ion: 64 Resp: 67189

Ion Ratio Lower Upper

64 100

66 31.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

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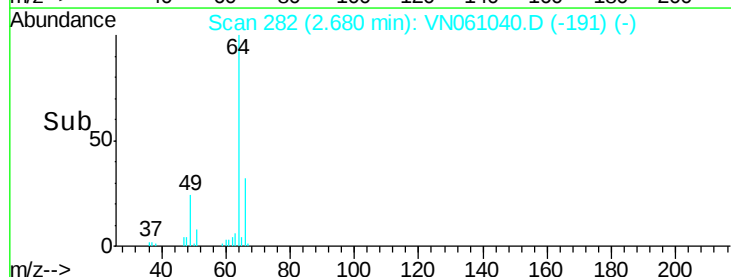
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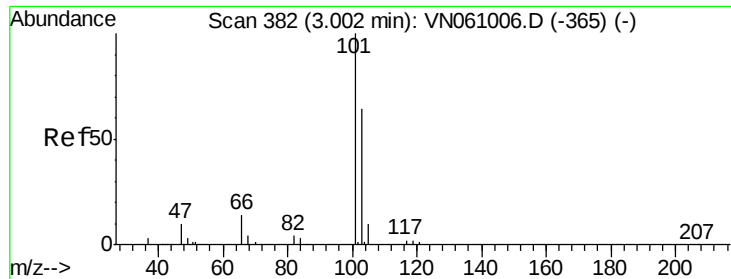
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#7

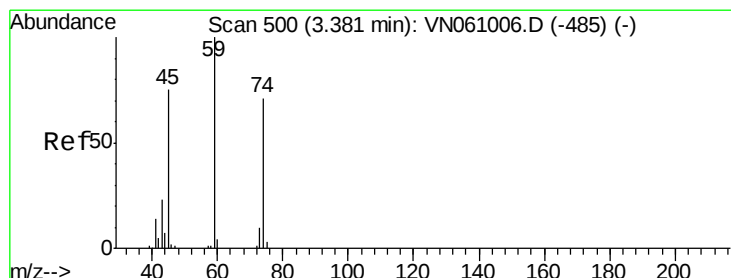
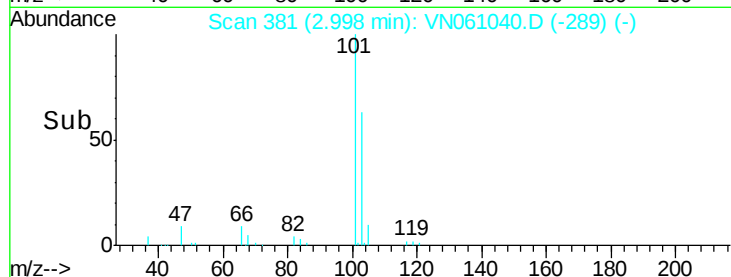
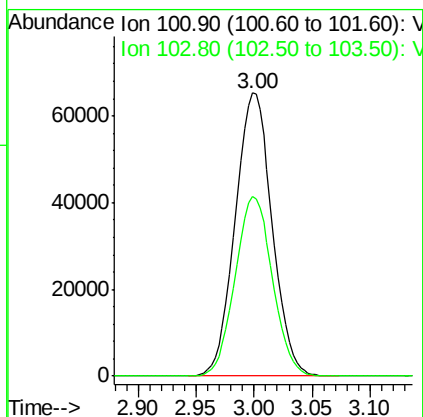
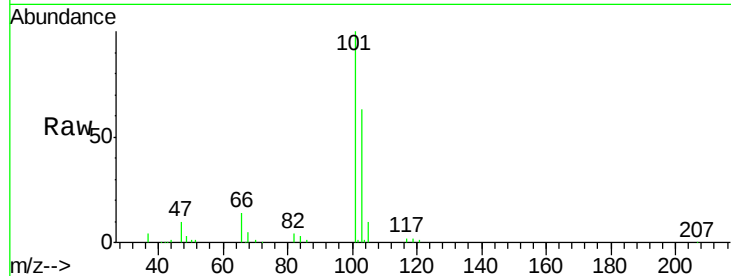
Trichlorofluoromethane
Concen: 48.089 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		144189		
103	63.4	51.4	77.2		

Manual Integrations
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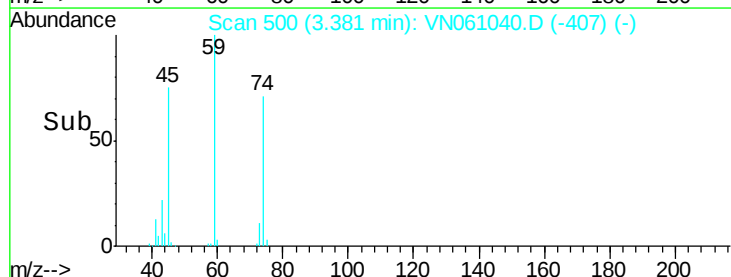
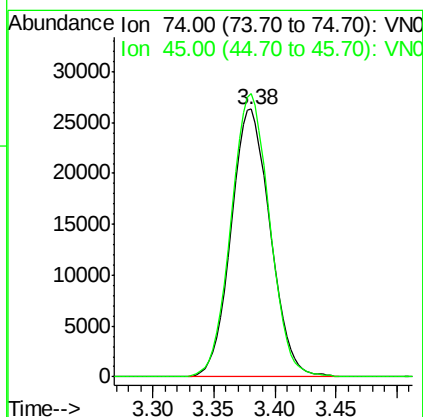
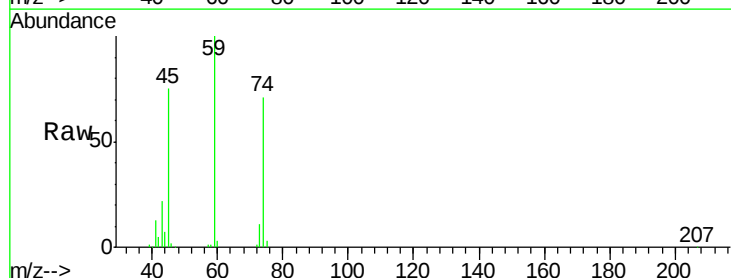
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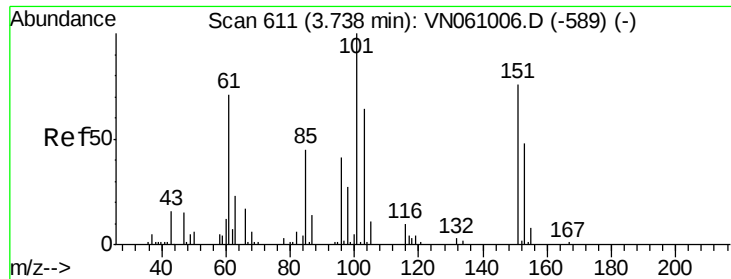


#8

Diethyl Ether
Concen: 49.254 ug/l
RT: 3.38 min Scan# 500
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		58696		
45	104.2	52.9	158.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.756 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

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Acq: 17 Apr 2020 10:53

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MSVOA_N

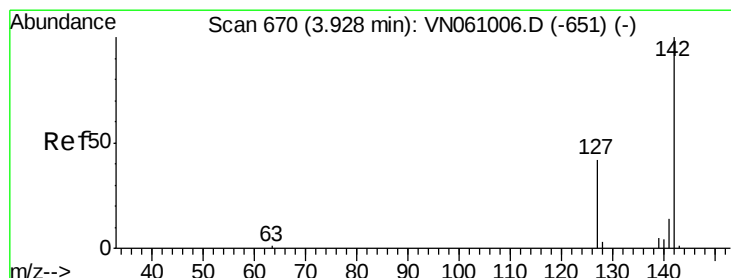
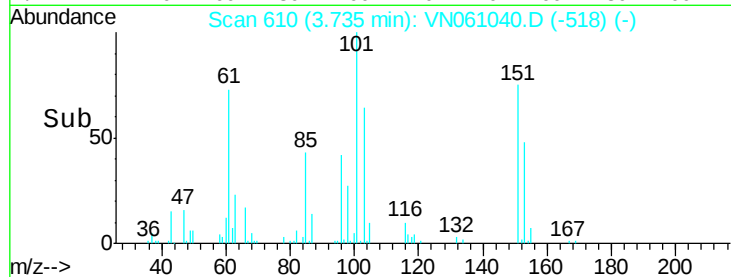
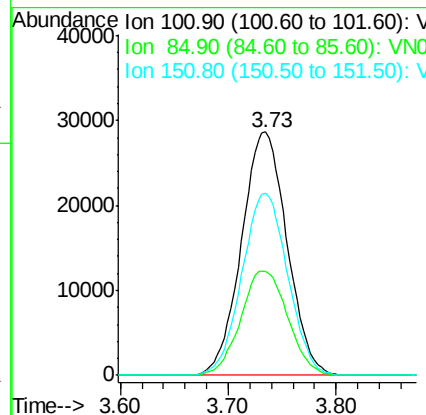
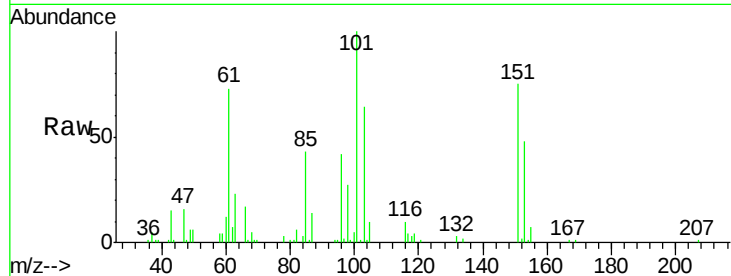
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	84010
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.9	53.9
151	75.3	60.8	91.2

Manual Integrations
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4/20/2020 10:20:11 AM



#10

Methyl Iodide

Concen: 58.232 ug/l

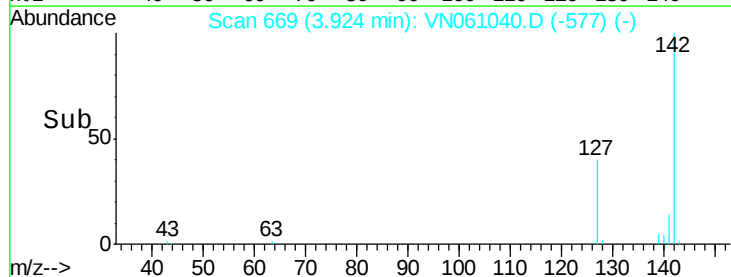
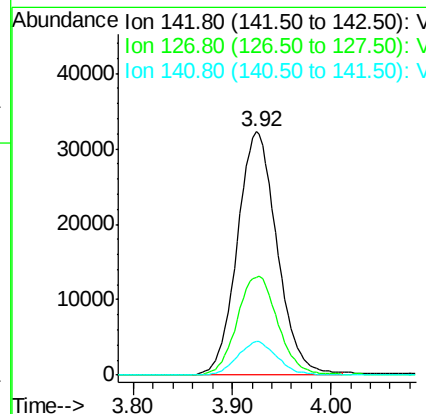
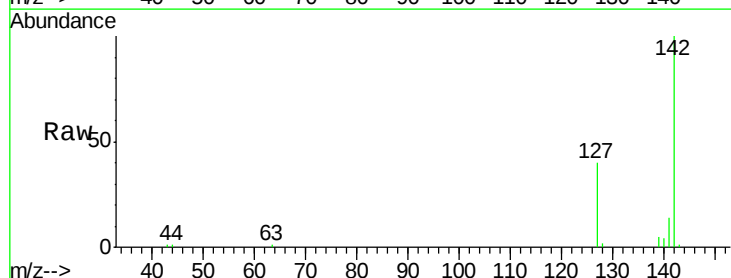
RT: 3.92 min Scan# 669

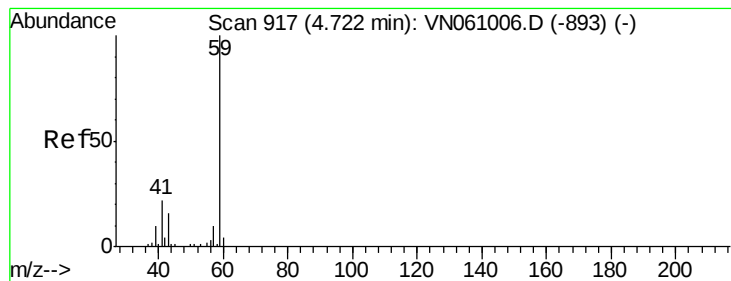
Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Tgt Ion:	142	Resp:	90371
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.4	50.2
141	13.6	11.0	16.6





#11

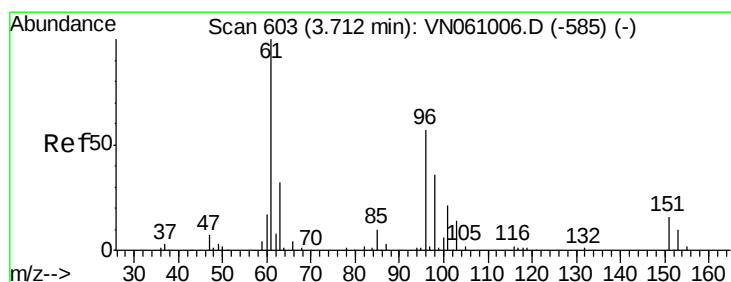
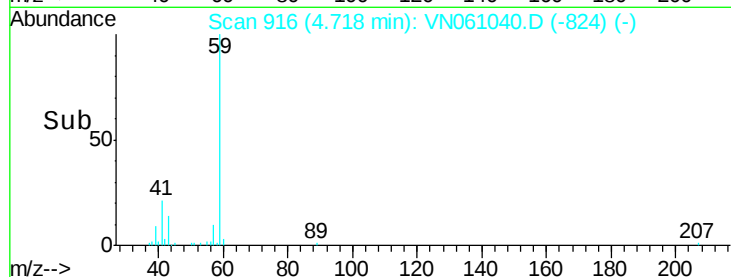
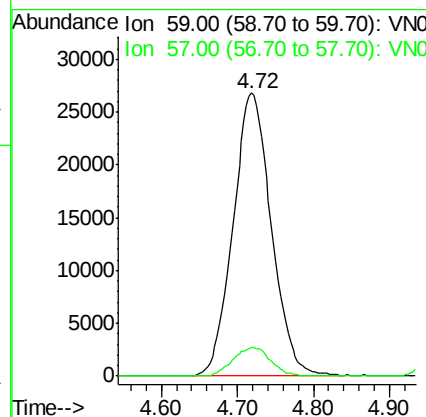
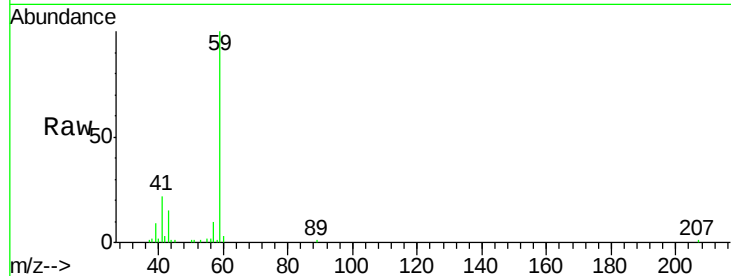
Tert butyl alcohol
Concen: 252.747 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

Manual Integrations
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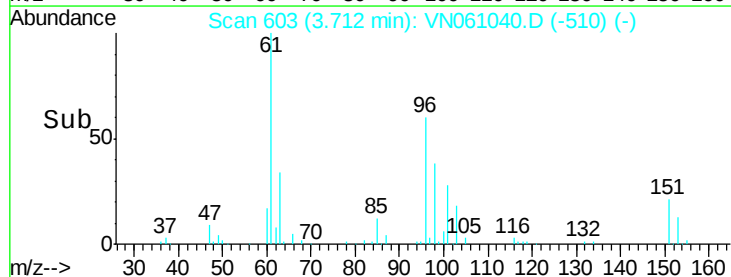
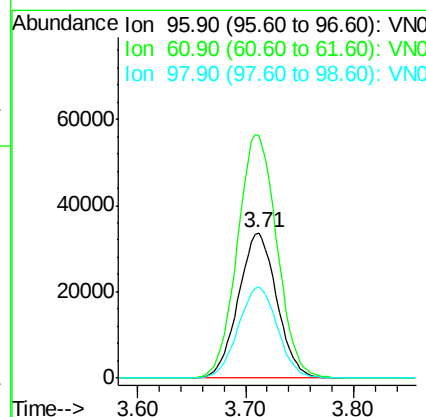
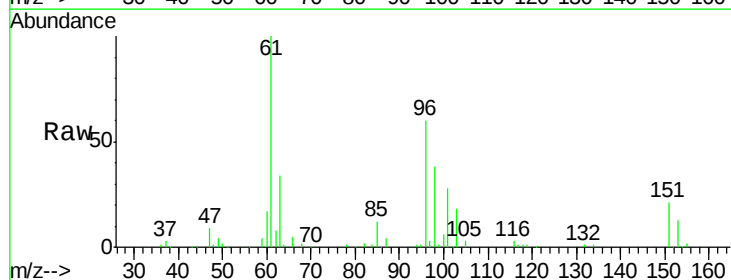
MMDadoda
4/20/2020 10:20:11 AM

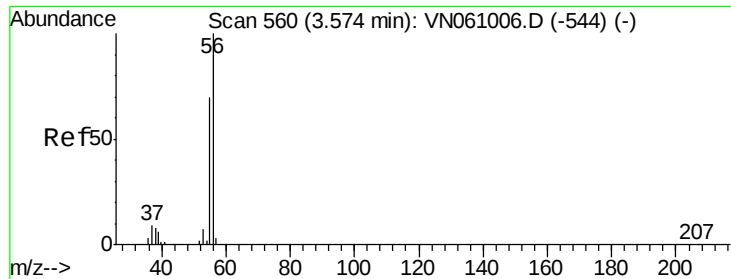


#12

1,1-Dichloroethene
Concen: 46.544 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.5	139.2	208.8
98	62.8	50.0	75.0





#13

Acrolein

Concen: 248.520 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 77836

Ion Ratio Lower Upper

56 100

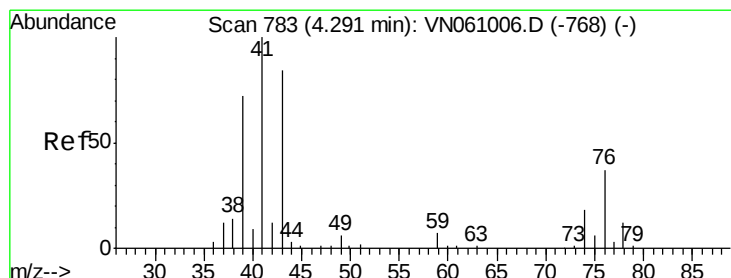
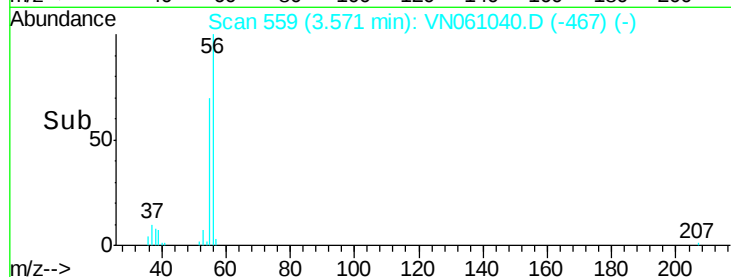
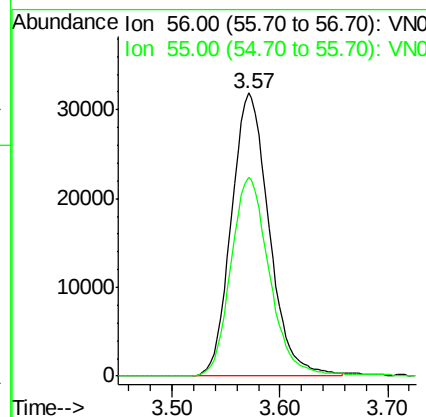
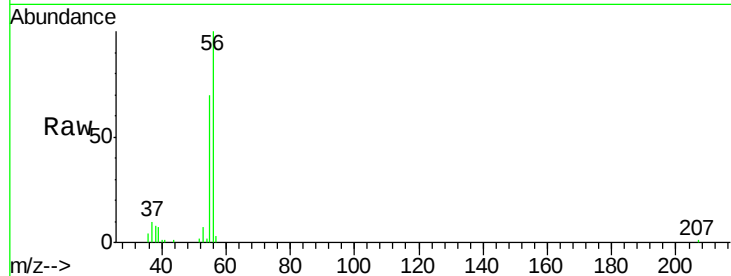
55 71.4 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

4/20/2020 10:20:11 AM



#14

Allyl chloride

Concen: 44.904 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

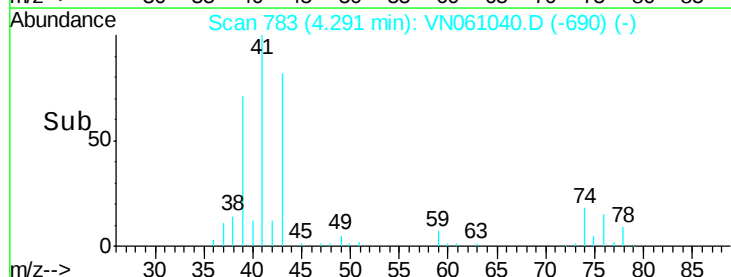
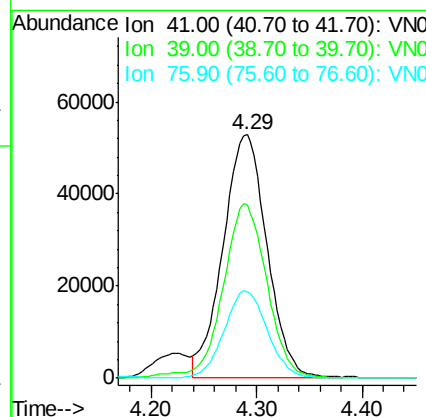
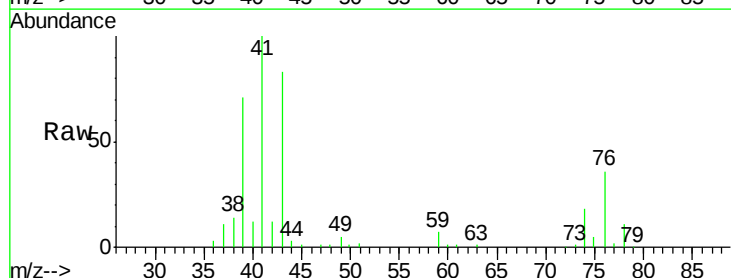
Tgt Ion: 41 Resp: 151927

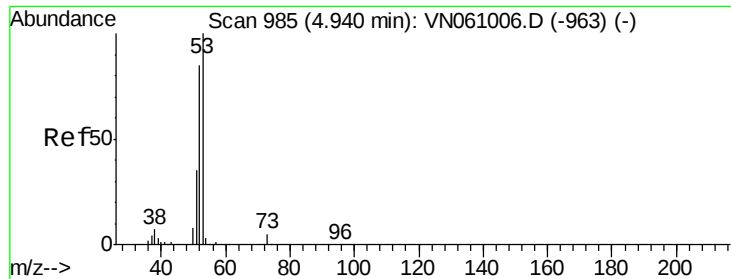
Ion Ratio Lower Upper

41 100

39 72.4 56.3 84.5

76 35.4 27.7 41.5





#15

Acrylonitrile

Concen: 258.389 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

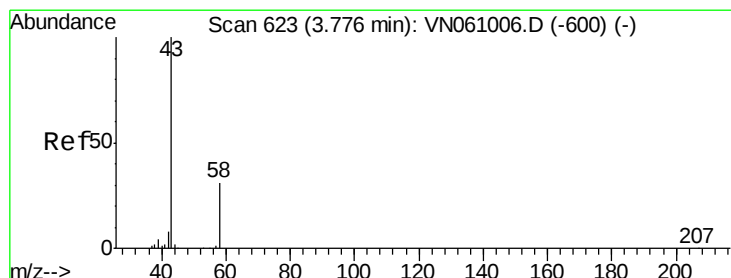
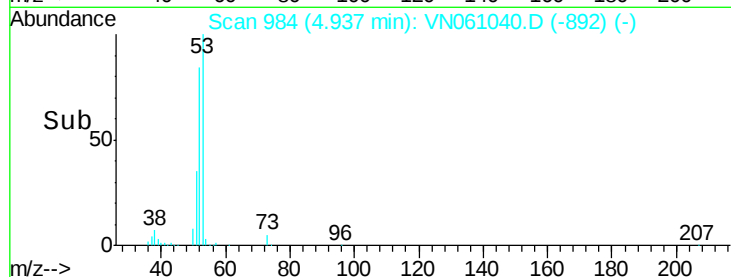
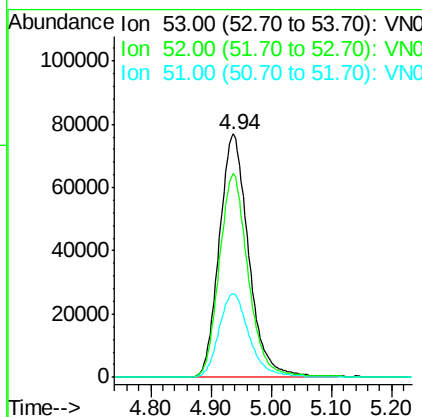
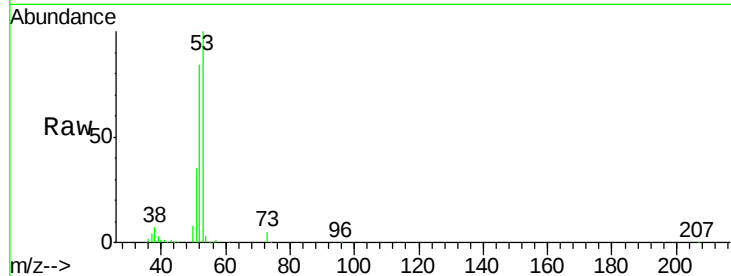
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	259874
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.8	100.2
51	35.6	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 265.165 ug/l

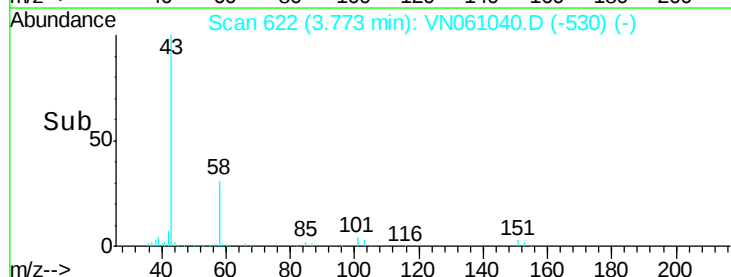
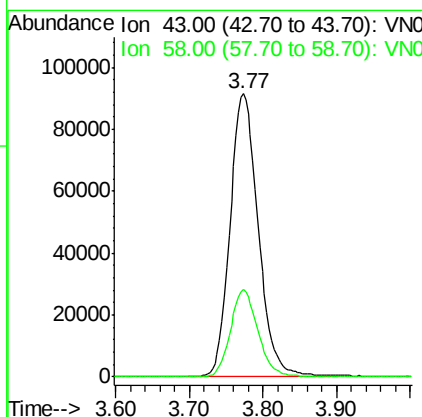
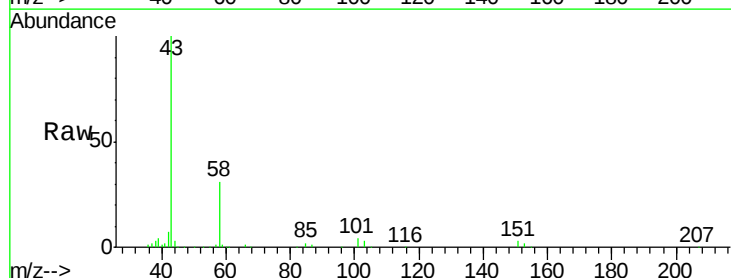
RT: 3.77 min Scan# 622

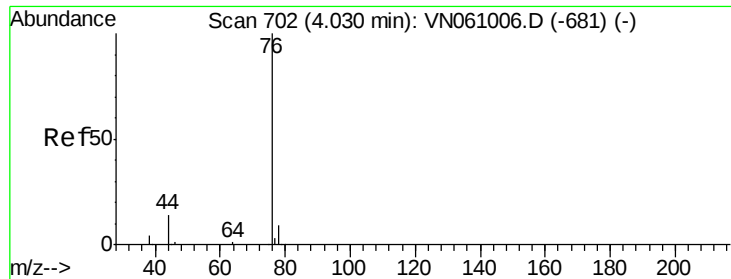
Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Tgt Ion:	43	Resp:	244005
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	37.0





#17

Carbon Disulfide

Concen: 45.133 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 252540

Ion Ratio Lower Upper

76 100

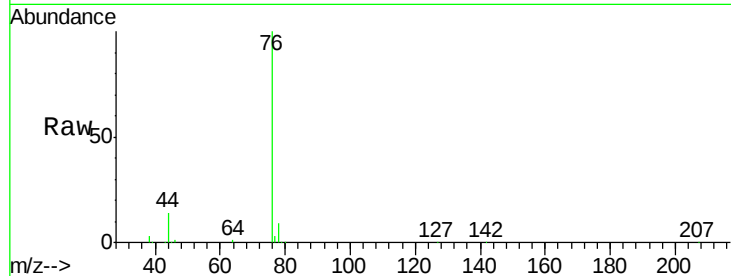
78 9.0 7.6 11.4

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

100000

80000

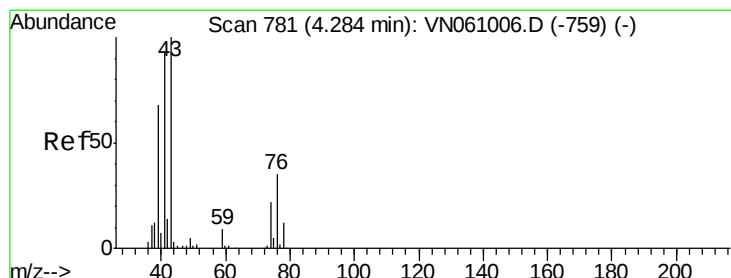
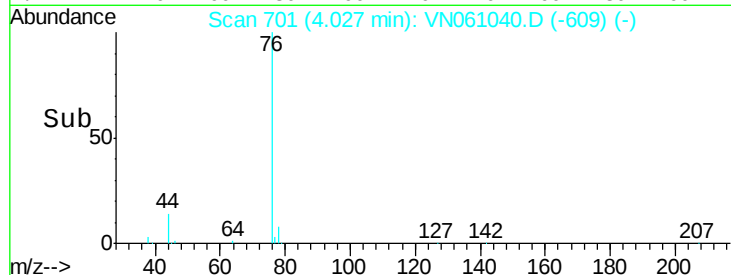
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.503 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN061040.D

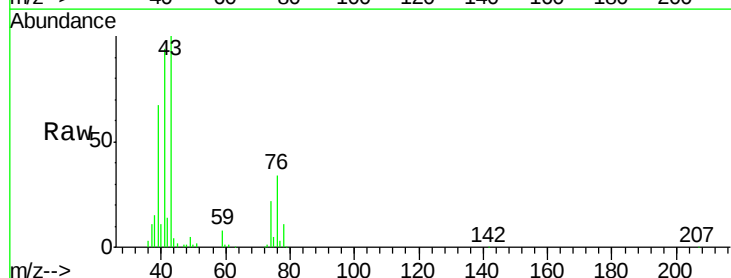
Acq: 17 Apr 2020 10:53

Tgt Ion: 43 Resp: 148613

Ion Ratio Lower Upper

43 100

74 21.5 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.28

60000

50000

40000

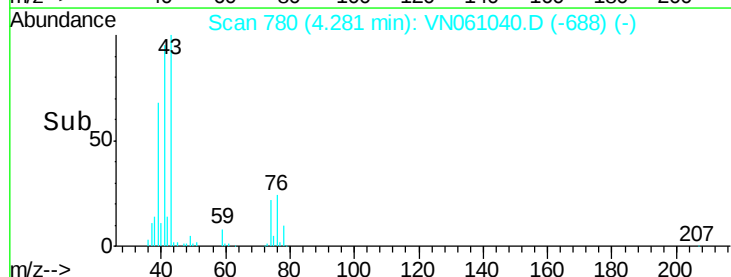
30000

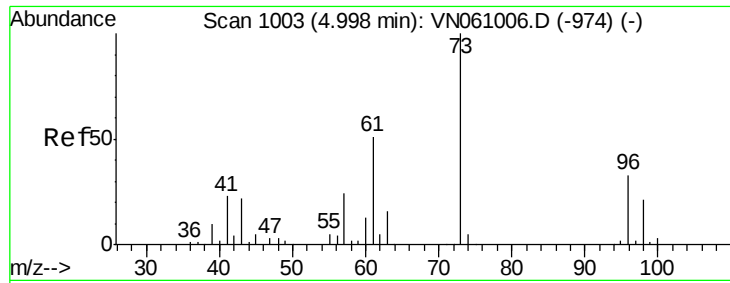
20000

10000

0

Time-->





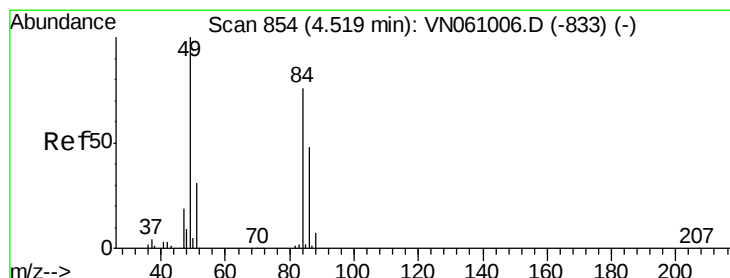
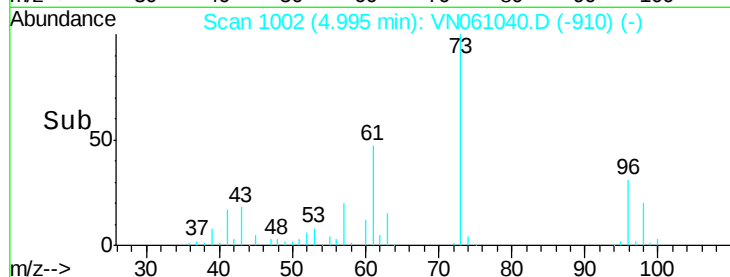
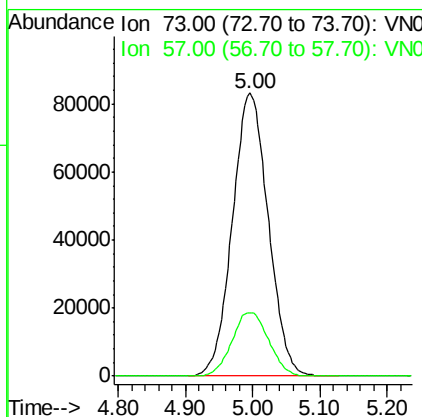
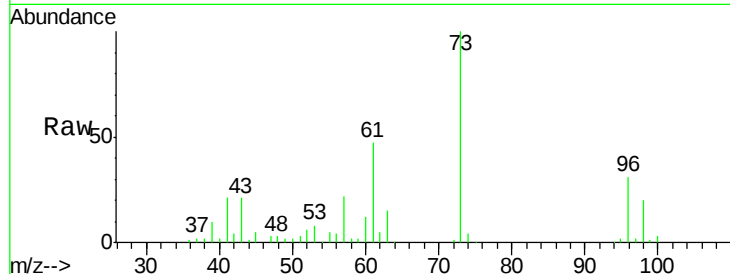
#19
Methvl tert-butvl Ether
Concen: 49.359 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 307755
Ion Ratio Lower Upper
73 100
57 22.3 19.0 28.4

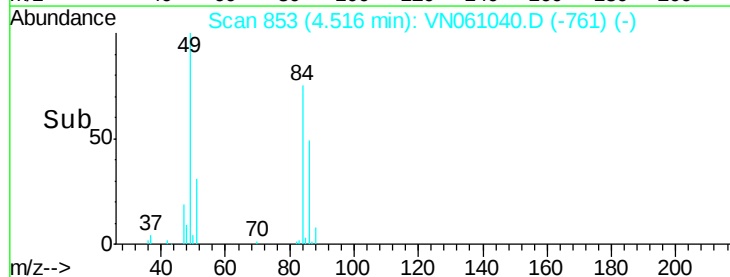
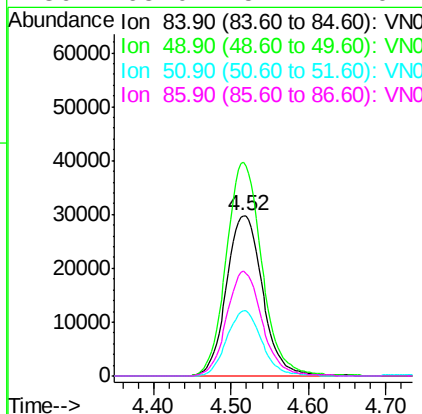
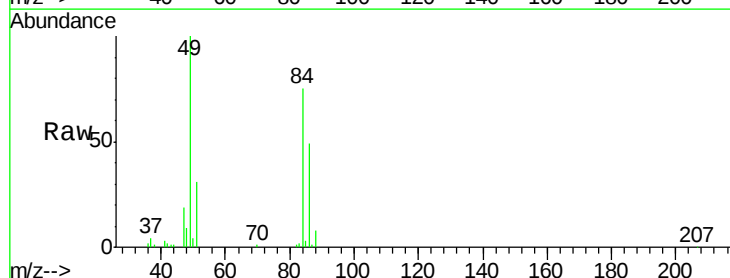
Manual Integrations
APPROVED

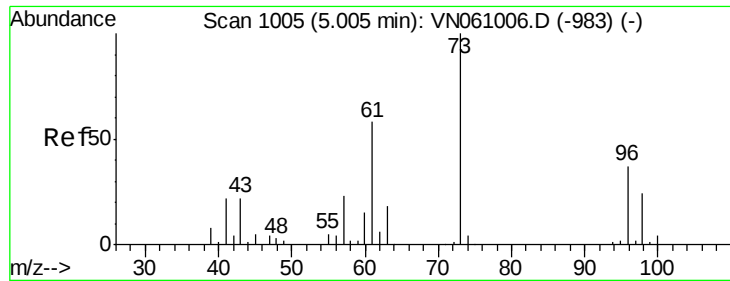
MMDadoda
4/20/2020 10:20:11 AM



#20
Methylene Chloride
Concen: 48.102 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion: 84 Resp: 96642
Ion Ratio Lower Upper
84 100
49 133.0 105.8 158.6
51 40.9 32.4 48.6
86 65.0 51.1 76.7





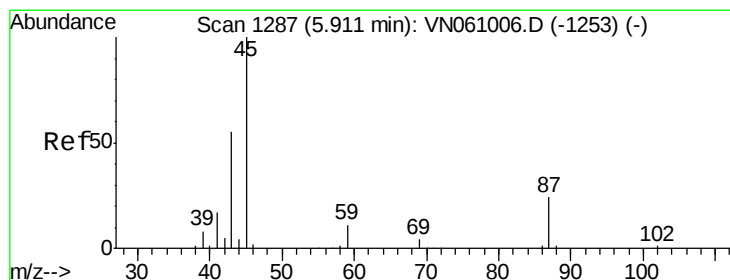
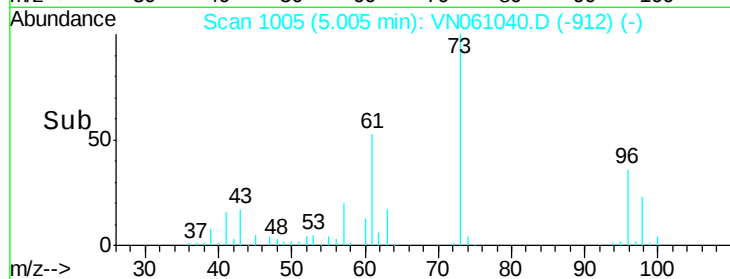
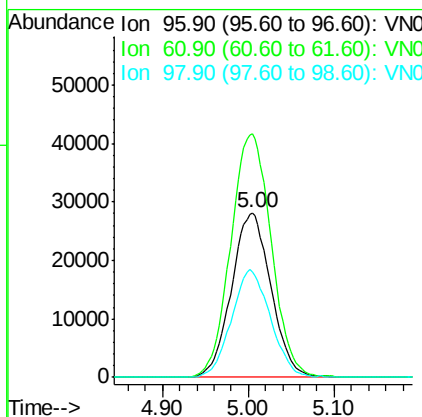
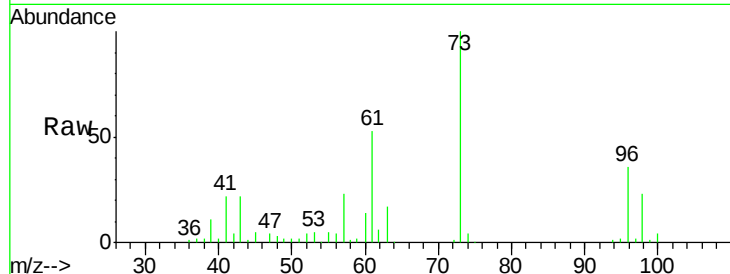
#21
trans-1,2-Dichloroethene
Concen: 46.921 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	124.8	187.2
98	64.0	51.3	76.9

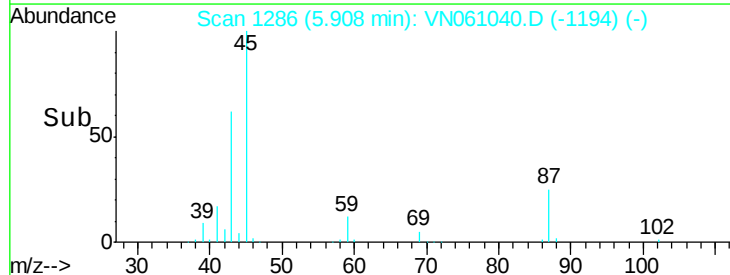
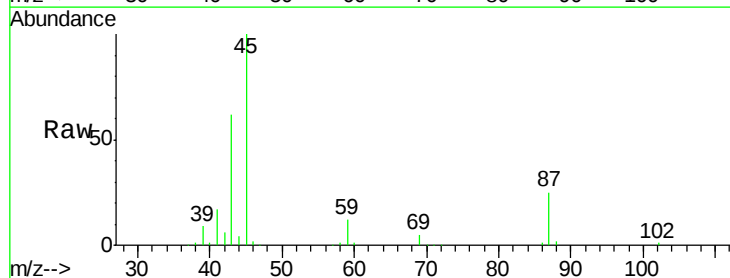
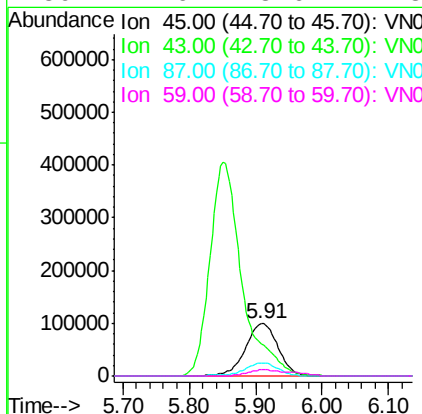
Manual Integrations
APPROVED

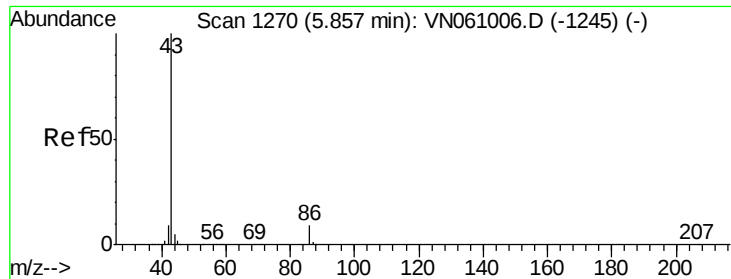
MMDadoda
4/20/2020 10:20:11 AM



#22
Diisopropyl ether
Concen: 48.284 ug/l
RT: 5.91 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	48.6	72.8
87	25.2	19.4	29.2
59	11.6	8.6	12.8





#23

Vinyl Acetate

Concen: 247.962 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1366330

Ion Ratio Lower Upper

43 100

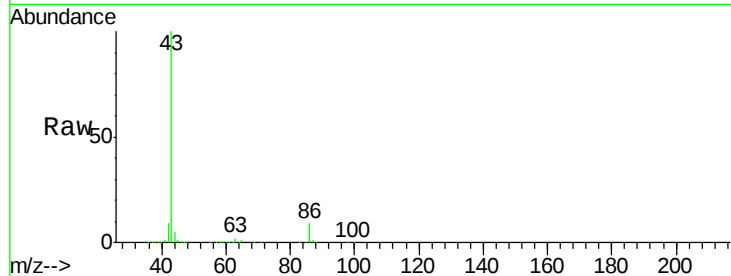
86 9.3 7.3 10.9

Manual Integrations

APPROVED

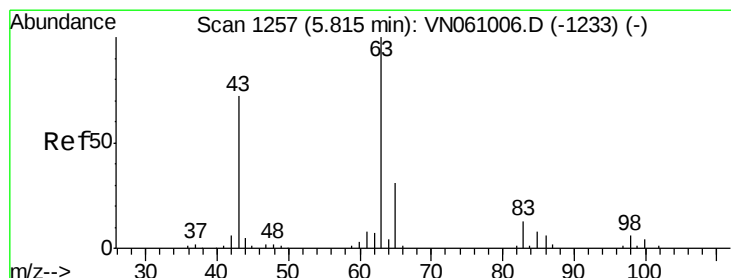
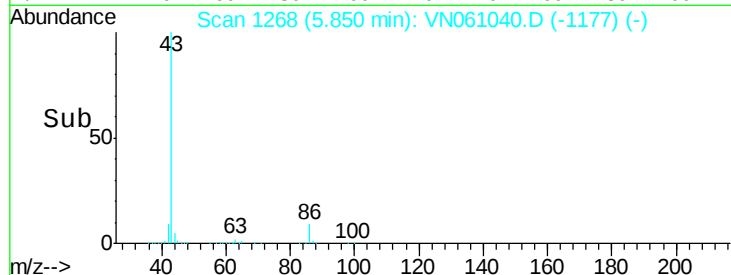
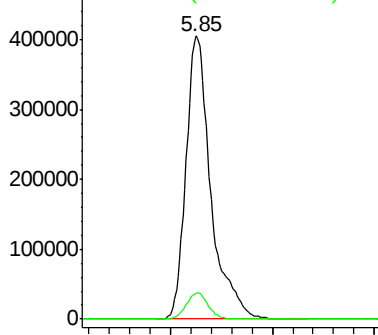
MMDadoda

4/20/2020 10:20:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.902 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

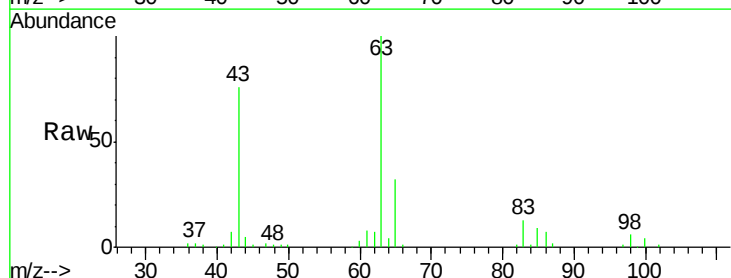
Tgt Ion: 63 Resp: 177999

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

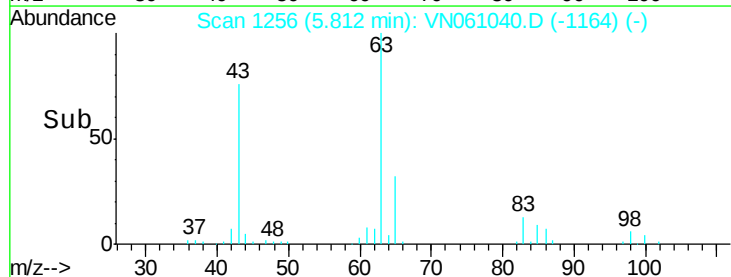
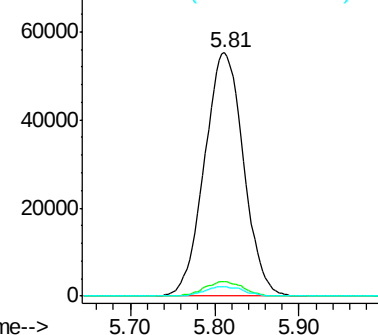
100 3.8 2.0 5.8

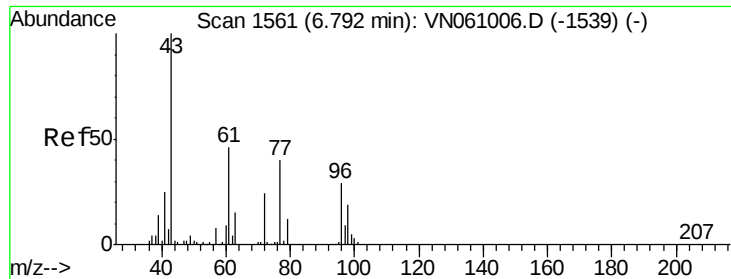


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





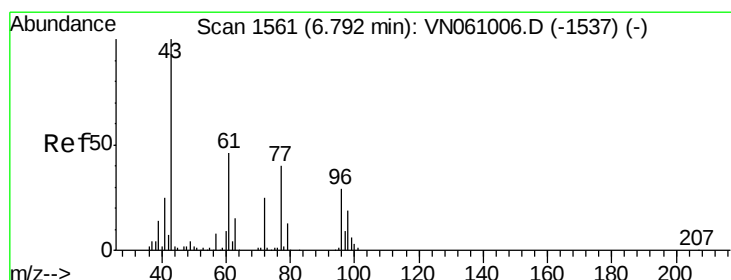
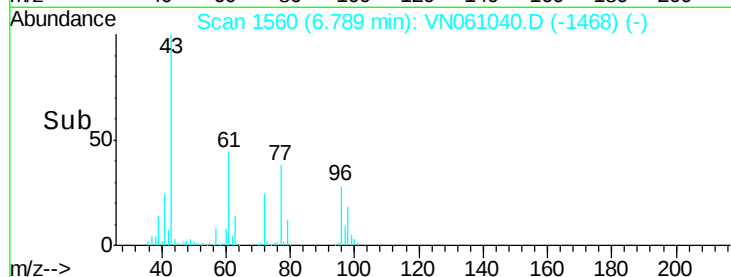
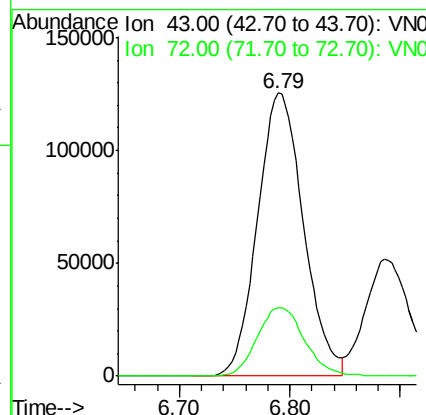
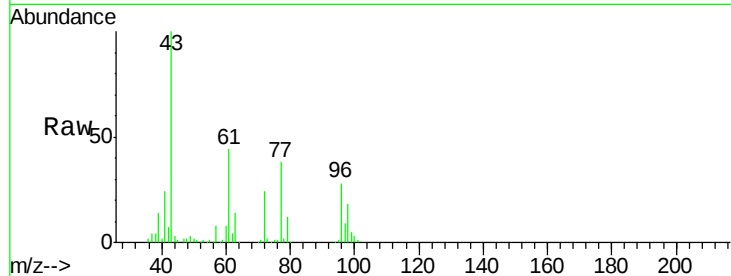
#25
 2-Butanone
 Concen: 257.378 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.3	19.6	29.4

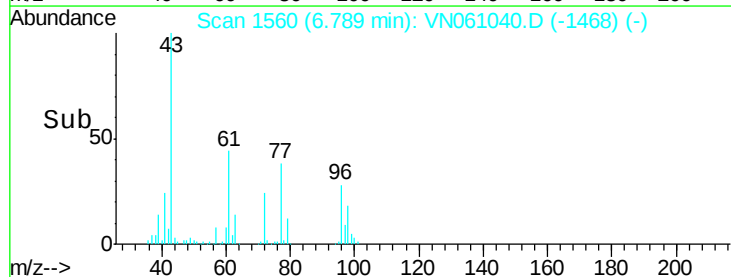
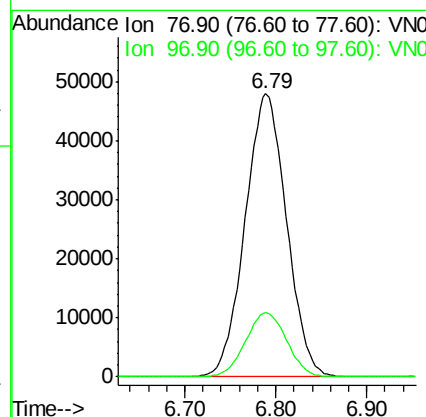
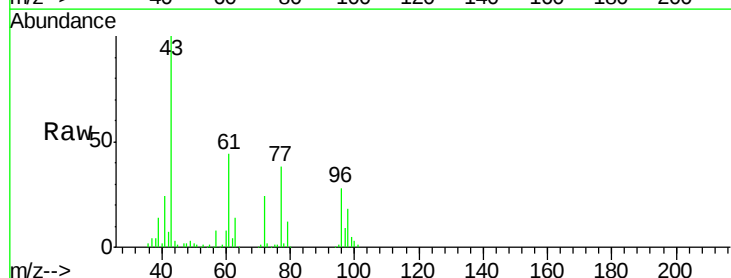
Manual Integrations
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 4/20/2020 10:20:11 AM



#26
 2,2-Dichloropropane
 Concen: 47.874 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.2	33.6





#27

cis-1,2-Dichloroethene

Concen: 47.855 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

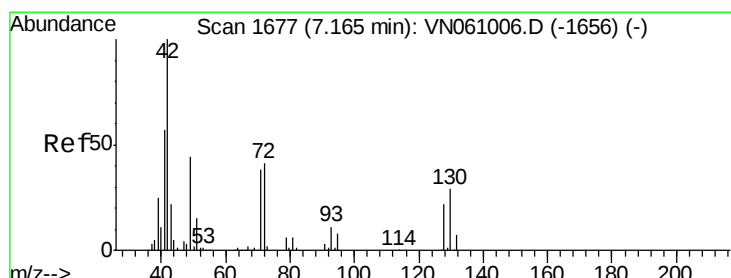
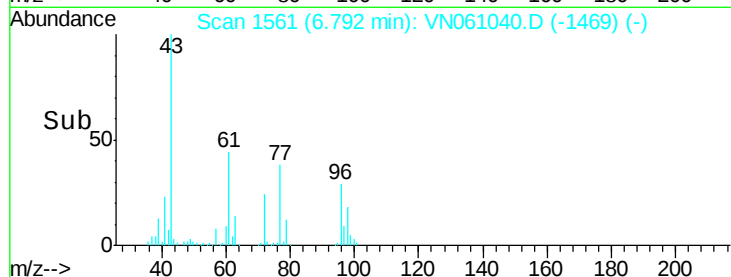
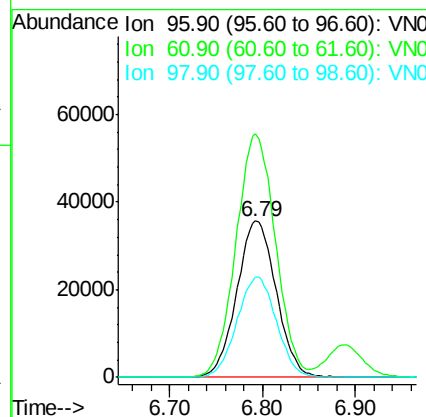
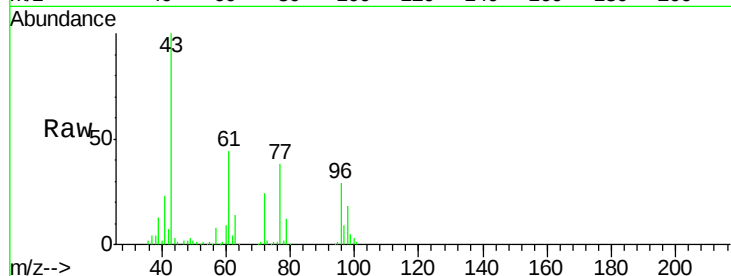
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	105078
Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	317.4
98	64.3	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 46.396 ug/l

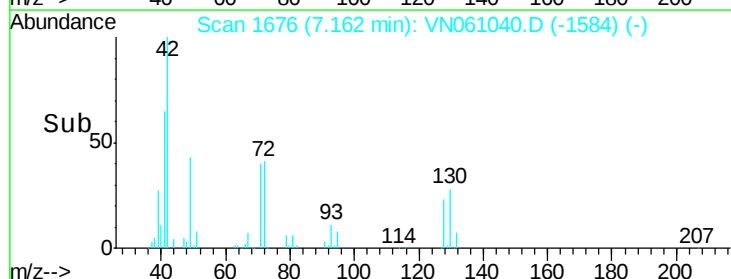
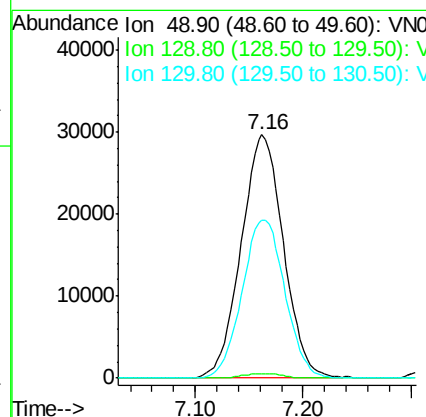
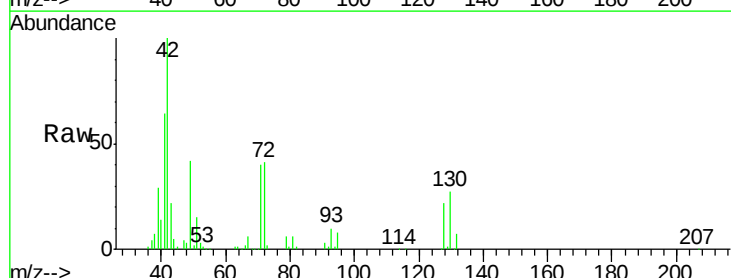
RT: 7.16 min Scan# 1676

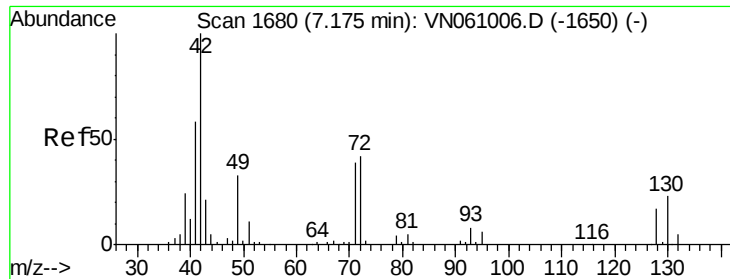
Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Tgt Ion:	49	Resp:	80825
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	65.7	52.9	79.3





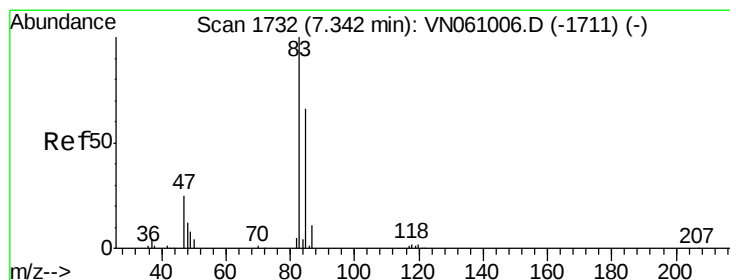
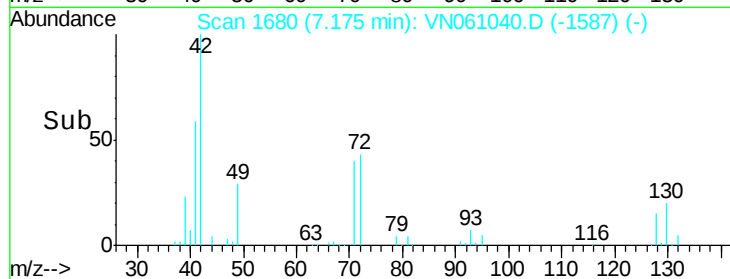
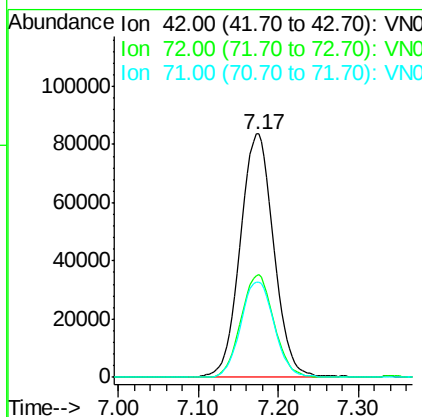
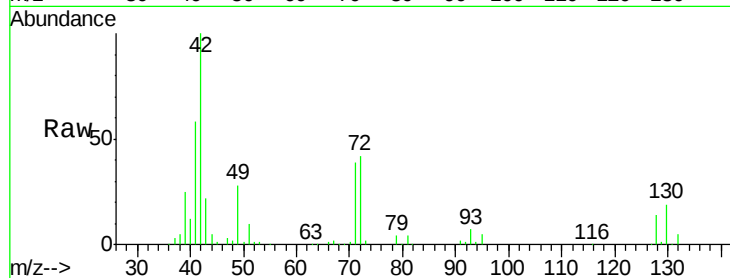
#29
Tetrahydrofuran
Concen: 248.078 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.1	48.1
71	39.1	30.5	45.7

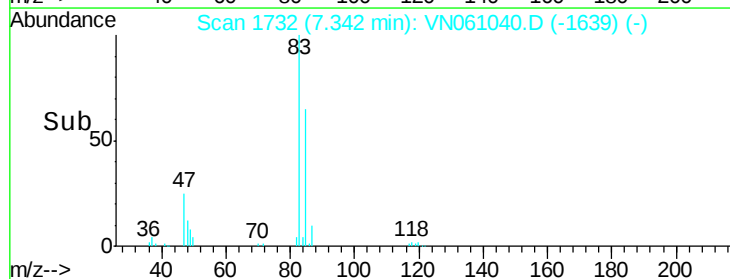
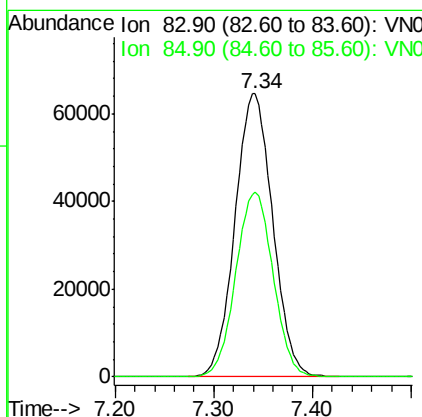
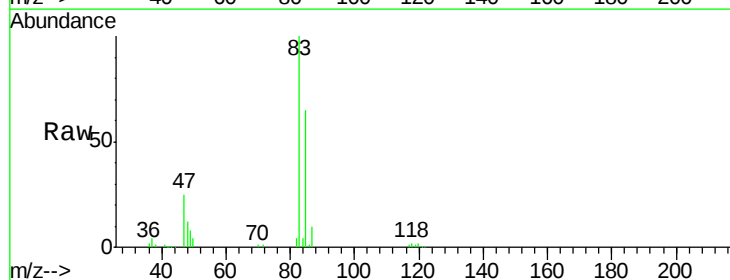
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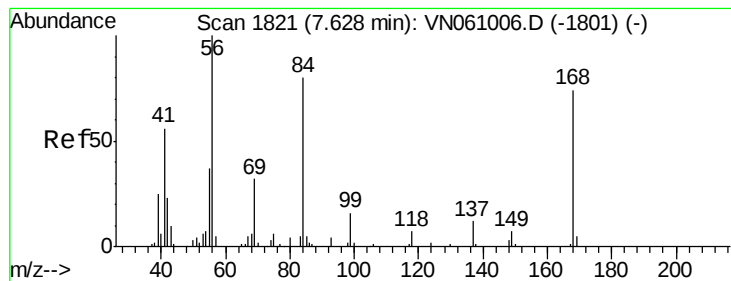
MMDadoda
4/20/2020 10:20:11 AM



#30
Chloroform
Concen: 48.326 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.8	79.2





#31

Cyclohexane

Concen: 43.971 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

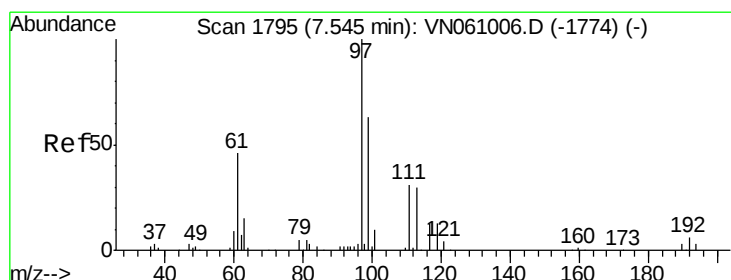
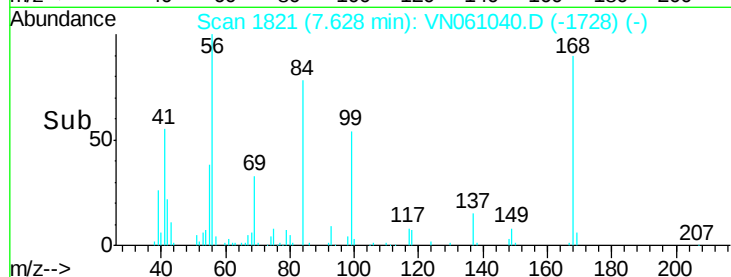
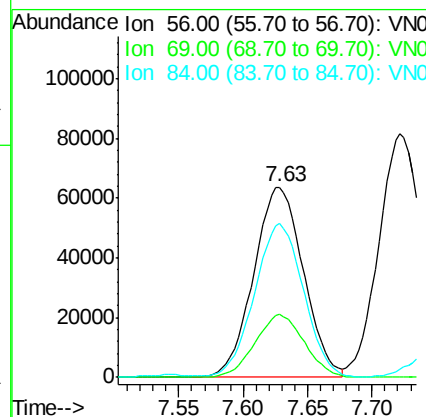
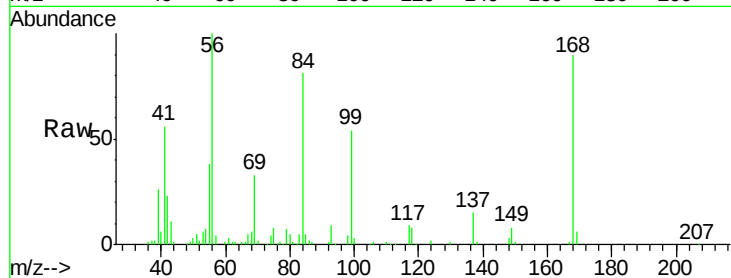
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	171242
Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.6	38.4
84	80.0	63.4	95.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.374 ug/l

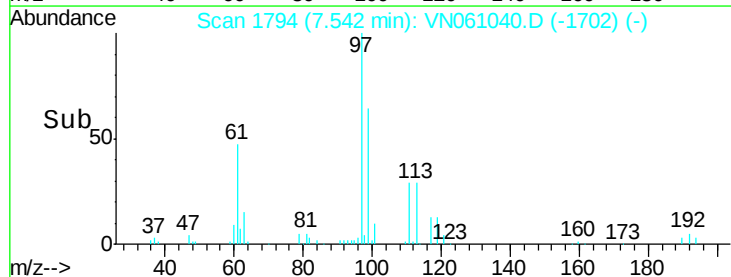
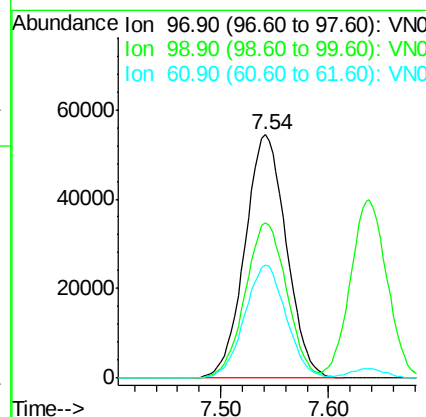
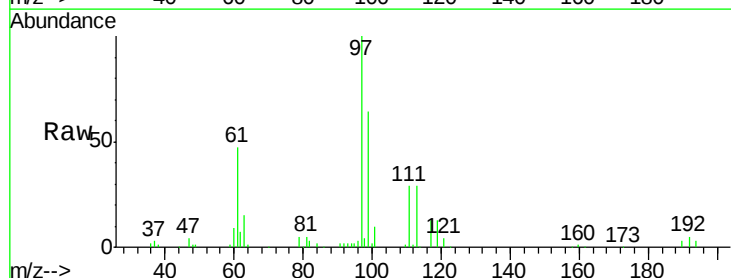
RT: 7.54 min Scan# 1794

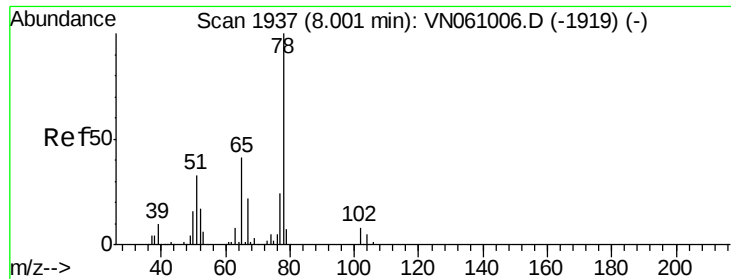
Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Tgt Ion:	97	Resp:	145053
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	46.5	37.0	55.6





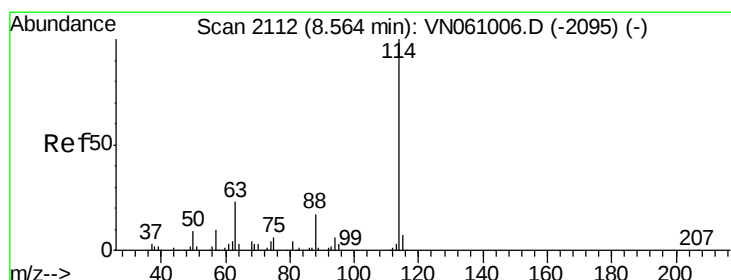
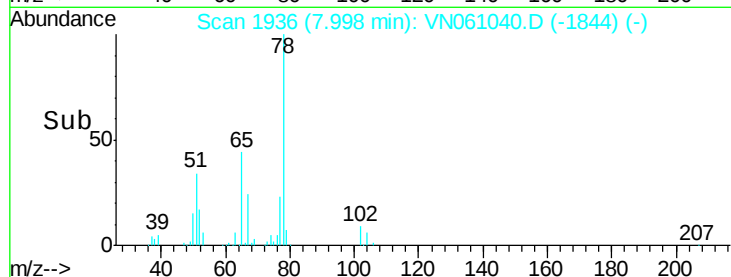
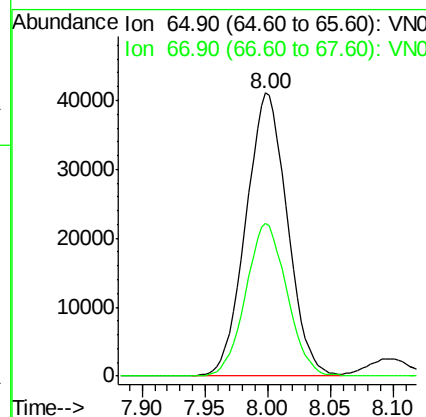
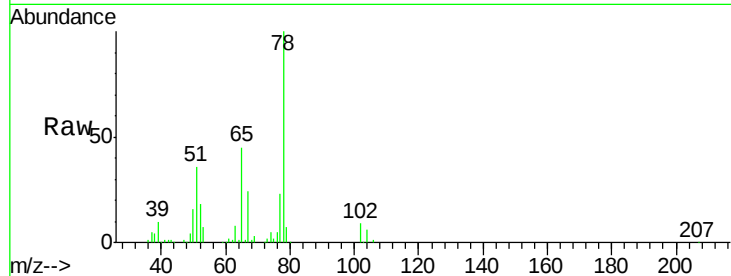
#33
 1,2-Dichloroethane-d4
 Concen: 45.287 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3		0.0	107.0

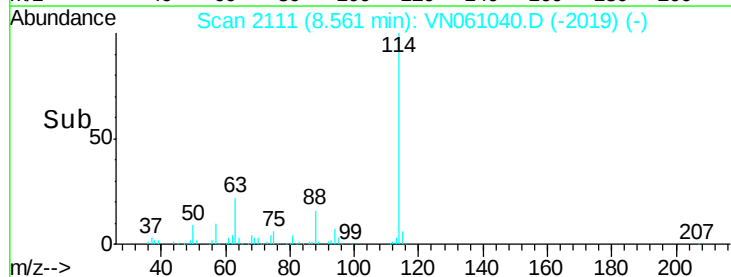
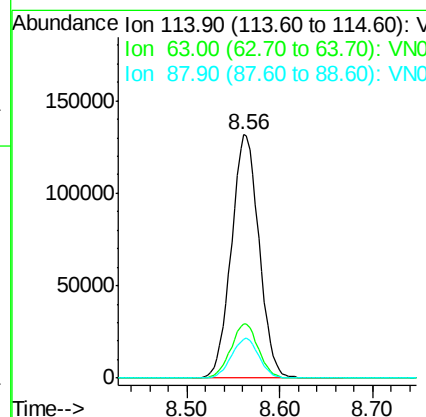
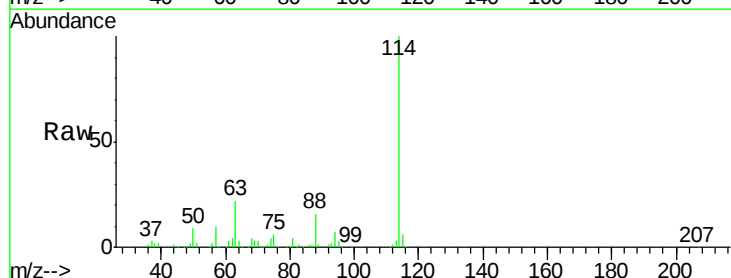
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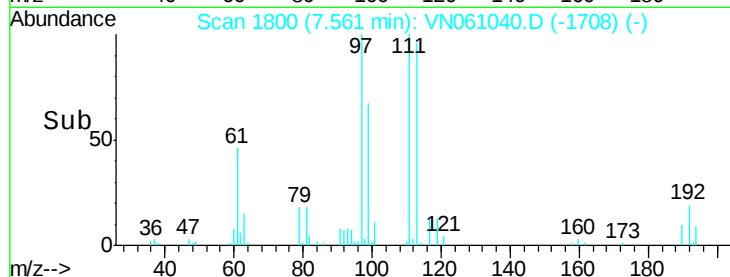
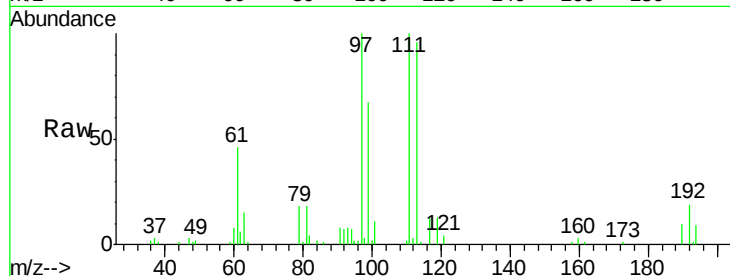
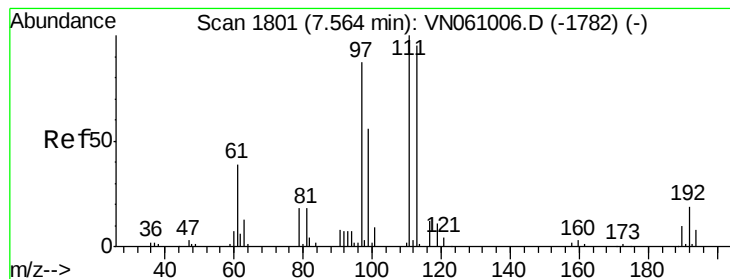
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3		0.0	46.2
88	16.2		0.0	33.4





#35

Dibromofluoromethane

Concen: 46.737 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN061040.D

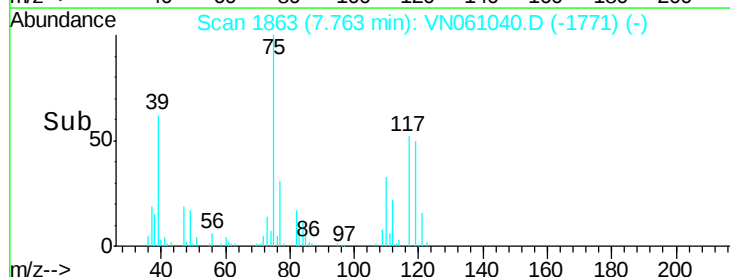
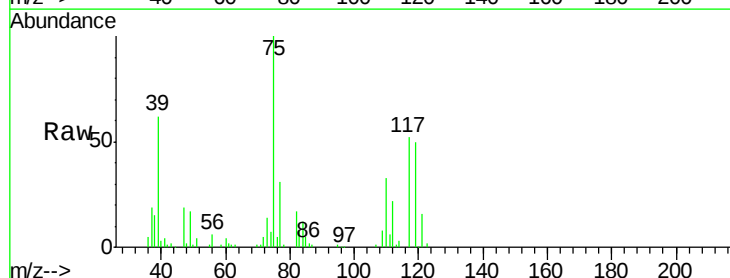
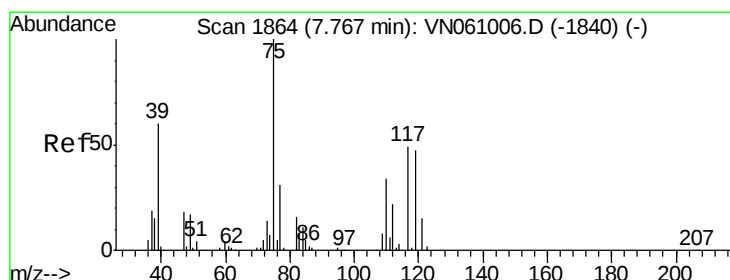
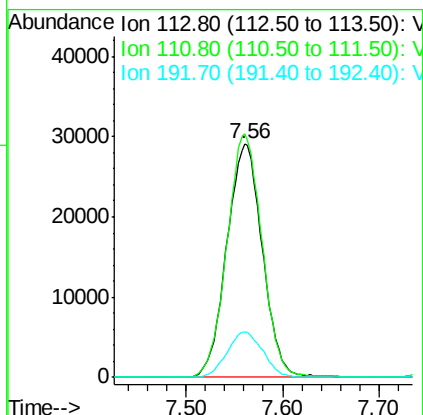
Acq: 17 Apr 2020 10:53

Tot Ion:	113	Resp:	74327
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.4	125.2
192	19.5	15.5	23.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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#36

1,1-Dichloropropene

Concen: 46.972 ug/l

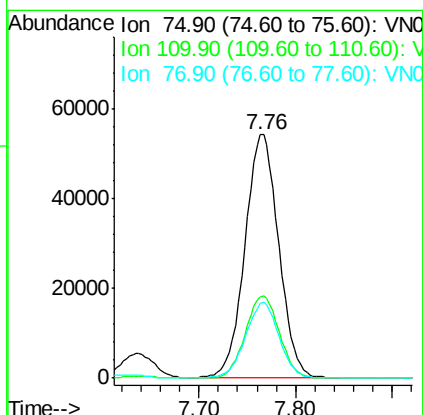
RT: 7.76 min Scan# 1863

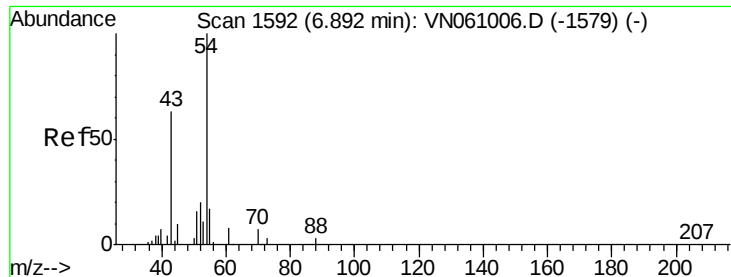
Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Tgt Ion:	75	Resp:	131996
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.8	50.3
77	30.9	24.7	37.1





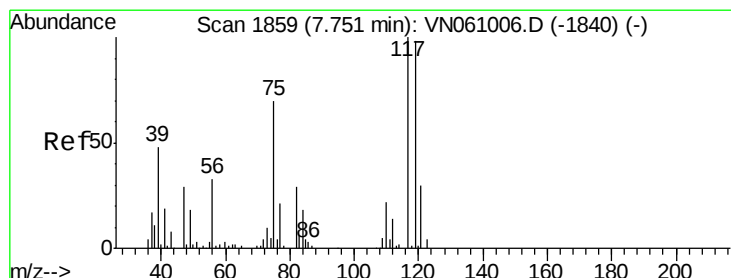
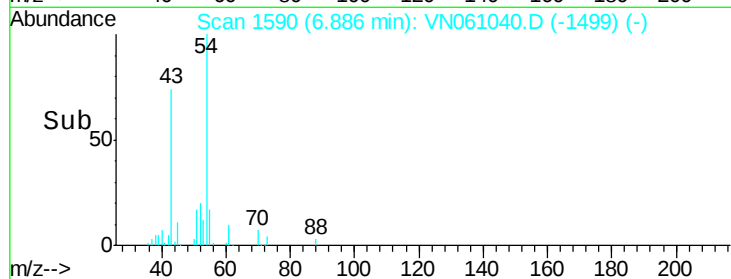
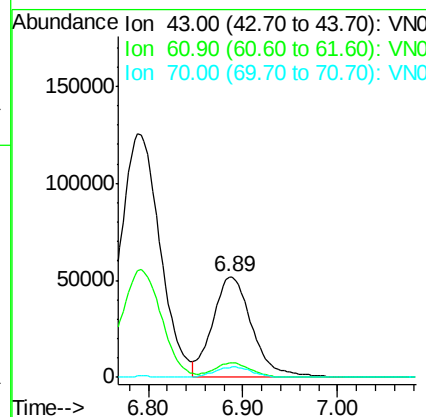
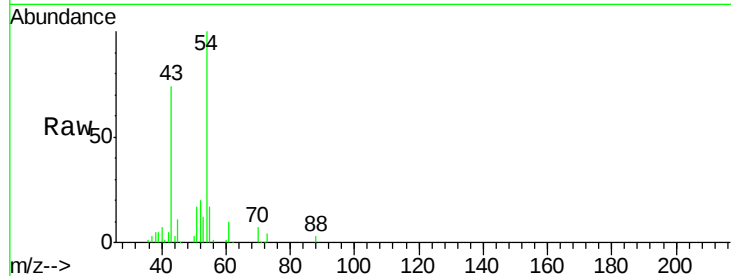
#37
Ethyl Acetate
Concen: 48.582 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. -0.01 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	10.0	7.7	11.5

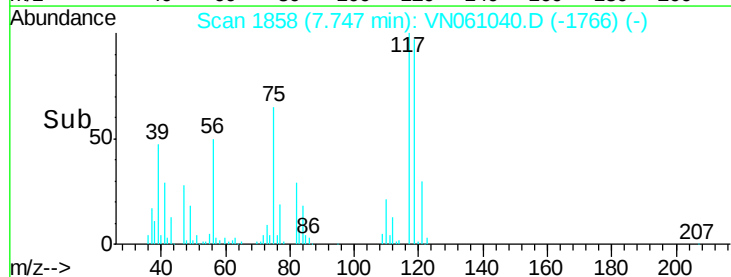
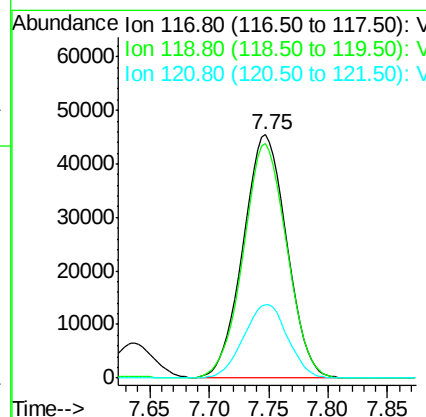
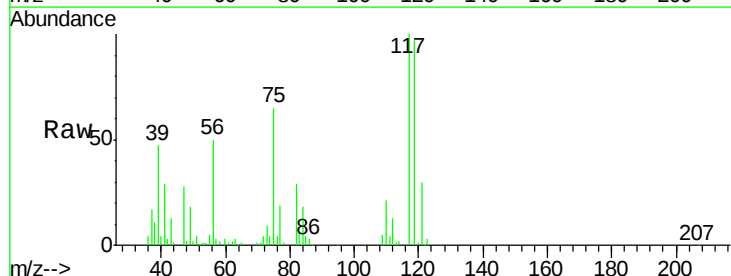
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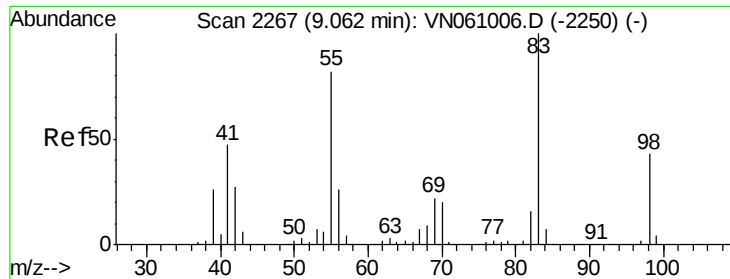
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4/20/2020 10:20:11 AM



#38
Carbon Tetrachloride
Concen: 49.441 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.1	117.1
121	30.2	24.0	36.0





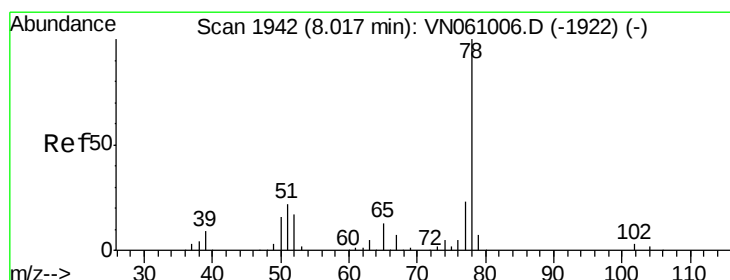
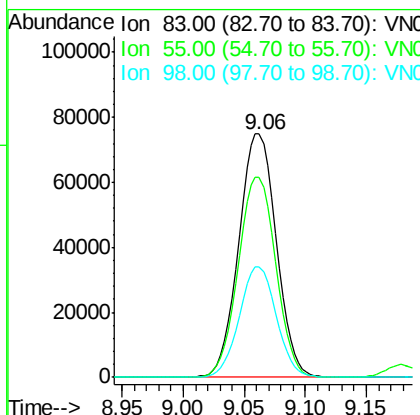
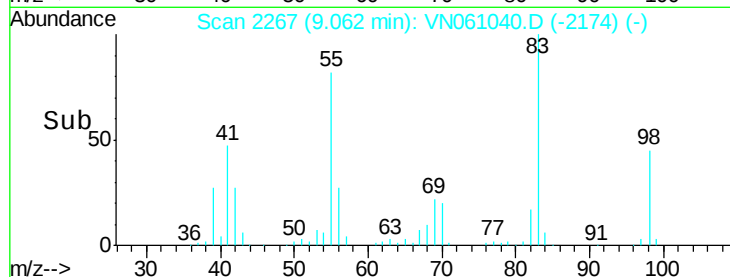
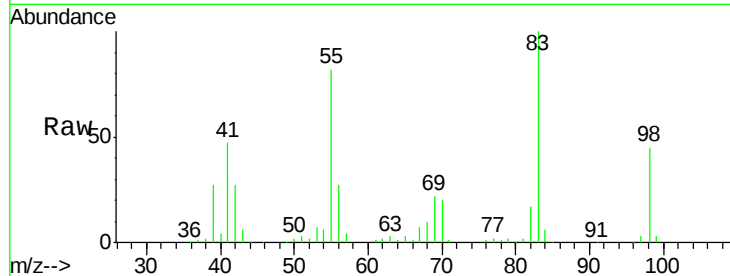
#39
Methvlcvclohexane
Concen: 47.493 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	65.4	98.0
98	45.2	34.6	51.8

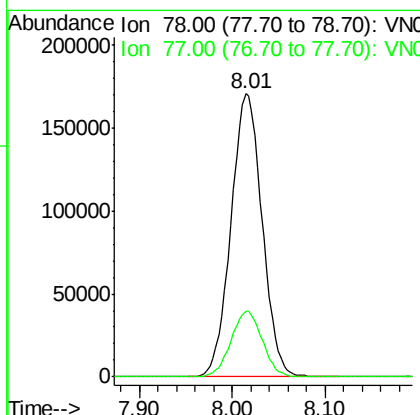
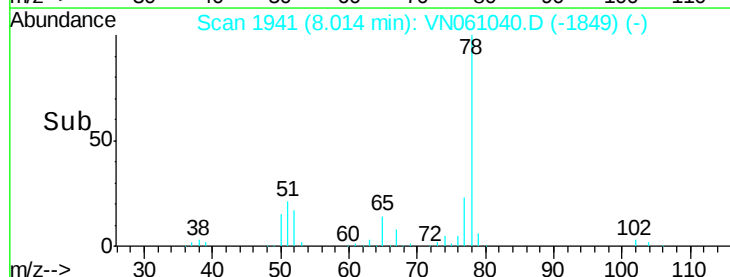
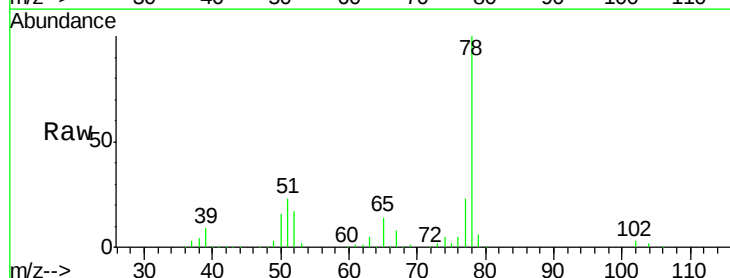
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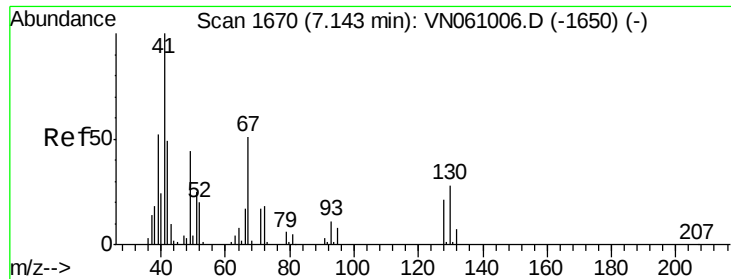
MMDadoda
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#40
Benzene
Concen: 47.642 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





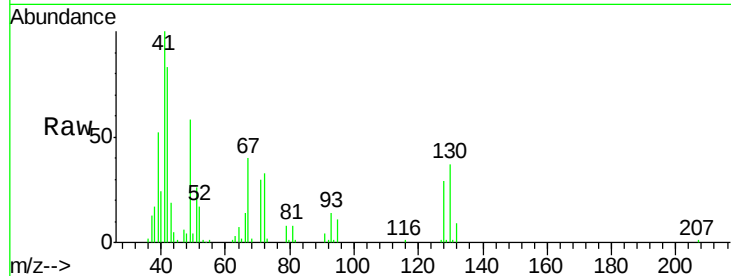
#41
Methacrylonitrile
Concen: 59.778 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp:	76080
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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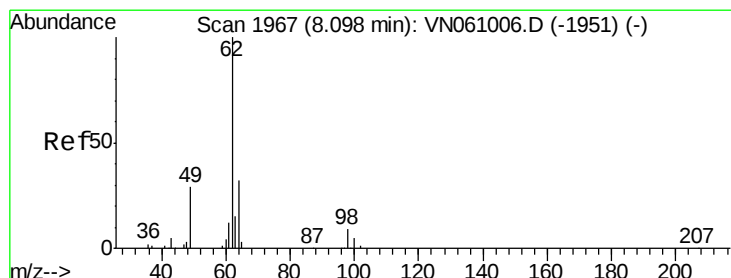
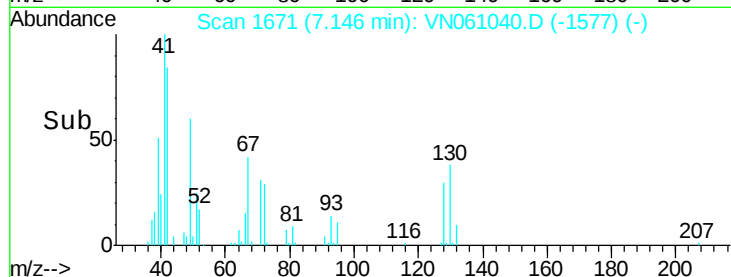
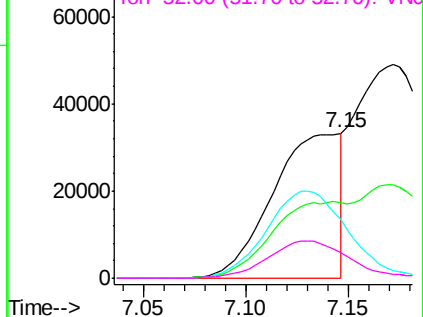


Abundance Ion 41.00 (40.70 to 41.70): VN061006.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN061006.D (-1650) (-)

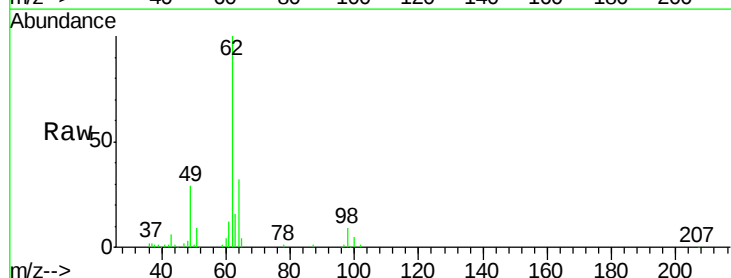
Ion 67.00 (66.70 to 67.70): VN061006.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN061006.D (-1650) (-)



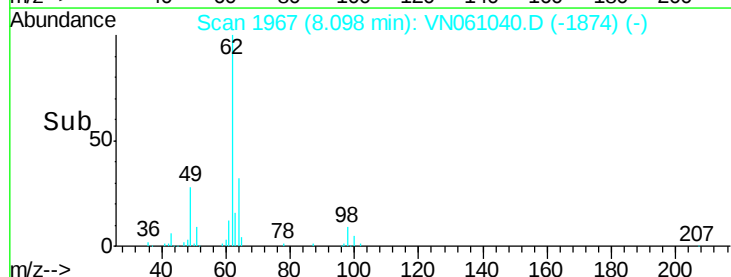
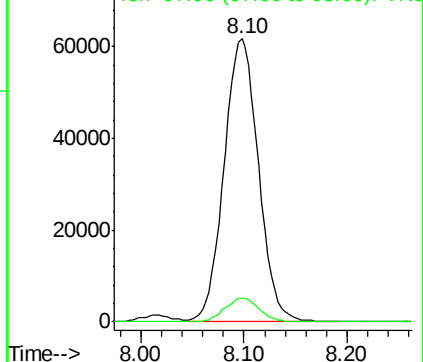
#42
1,2-Dichloroethane
Concen: 50.425 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

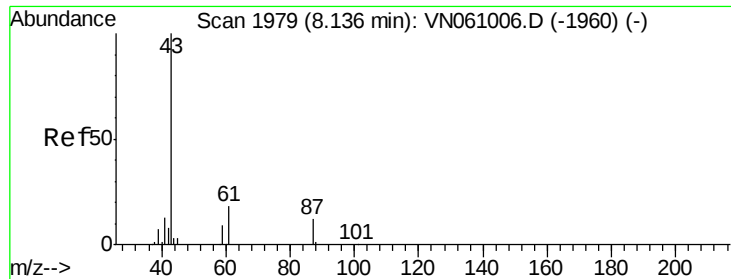
Tgt Ion	62	Resp:	143203
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VN061006.D (-1951) (-)

Ion 97.90 (97.60 to 98.60): VN061006.D (-1951) (-)





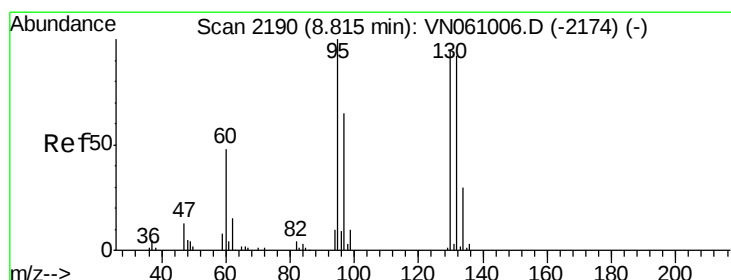
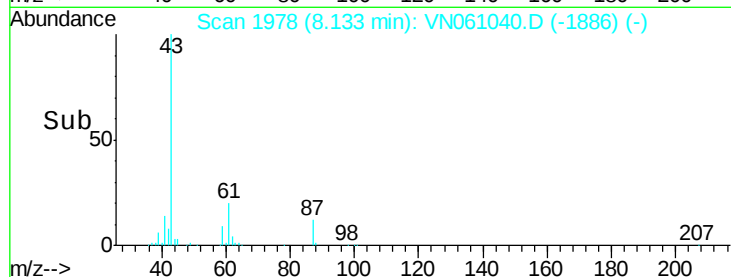
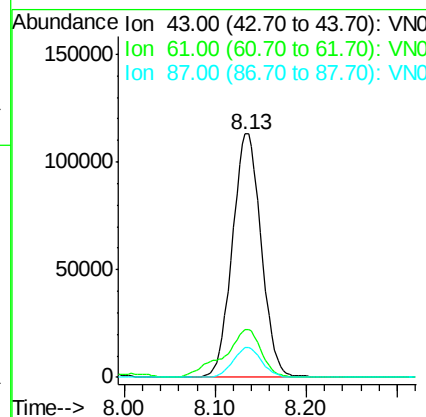
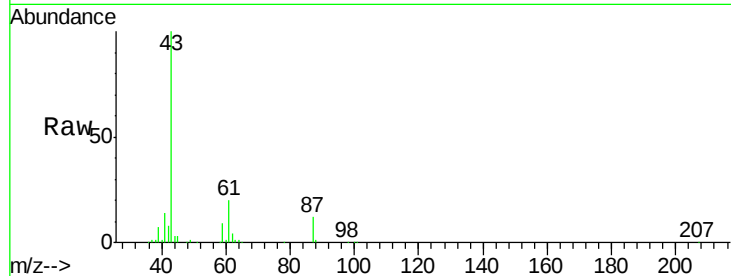
#43
Isopropyl Acetate
Concen: 50.276 ug/l
RT: 8.13 min Scan# 1978
Delta R.T. -0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	249500
Ion Ratio	Lower	Upper	
43	100		
61	25.4	20.3	30.5
87	12.0	9.4	14.2

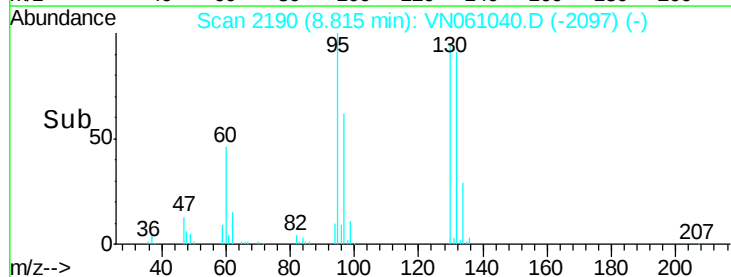
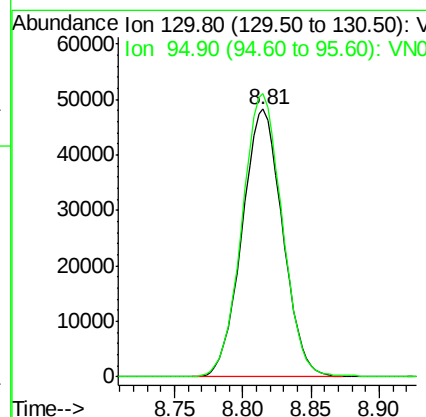
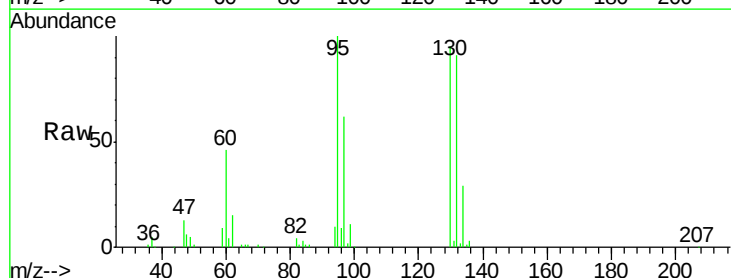
Manual Integrations
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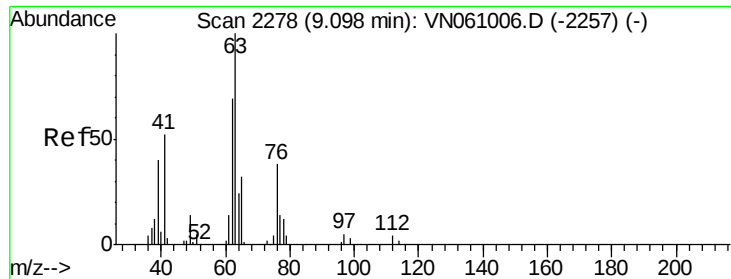
MMDadoda
4/20/2020 10:20:11 AM



#44
Trichloroethene
Concen: 47.477 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	130	Resp	99452
Ion Ratio	Lower	Upper	
130	100		
95	105.7	0.0	210.0





#45

1,2-Dichloropropane

Concen: 48.185 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 108500

Ion Ratio Lower Upper

63 100

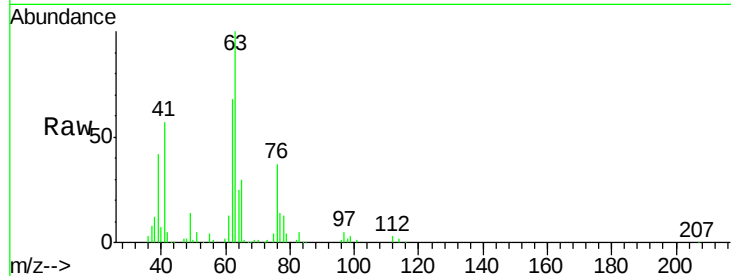
65 30.4 25.2 37.8

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN061040.D (-2185) (-)

Ion 64.90 (64.60 to 65.60): VN061040.D (-2185) (-)

60000

50000

40000

30000

20000

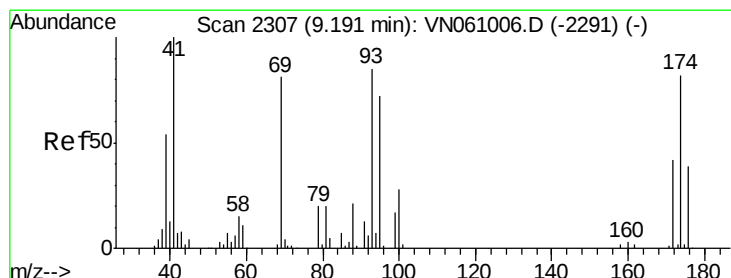
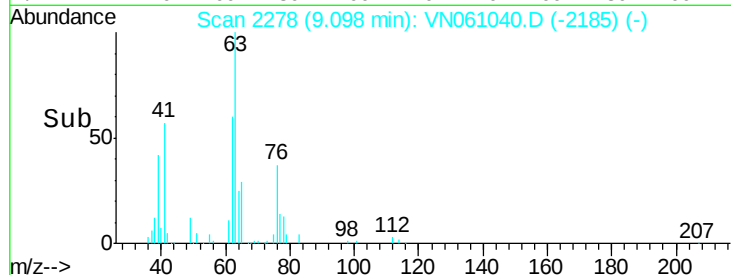
10000

0

9.10

9.05 9.10 9.15 9.20

Time-->



#46

Dibromomethane

Concen: 50.864 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

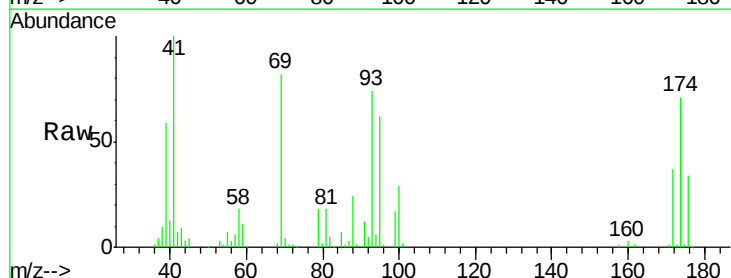
Tgt Ion: 93 Resp: 66035

Ion Ratio Lower Upper

93 100

95 82.9 66.8 100.2

174 96.0 76.2 114.4



Abundance Ion 92.80 (92.50 to 93.50): VN061040.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN061040.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN061040.D (-2214) (-)

40000

30000

20000

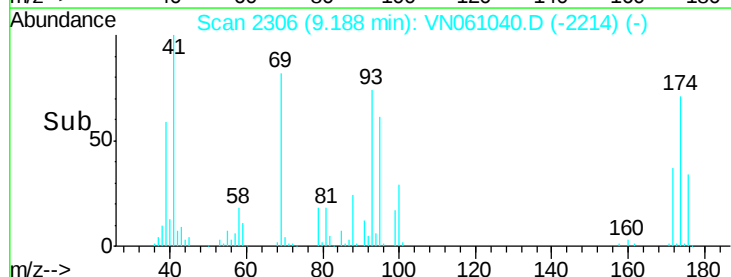
10000

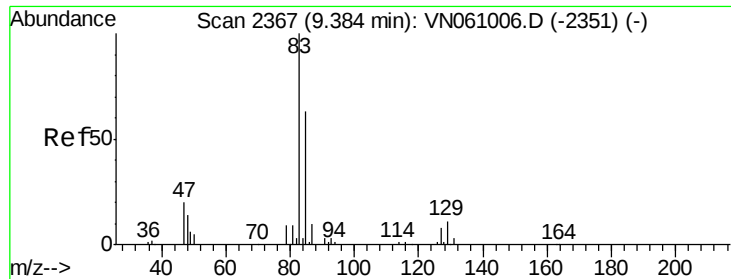
0

9.19

9.10 9.15 9.20 9.25

Time-->





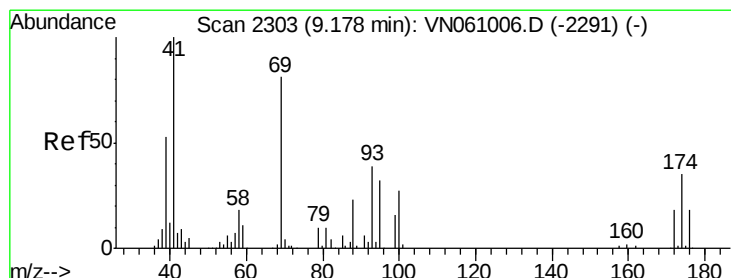
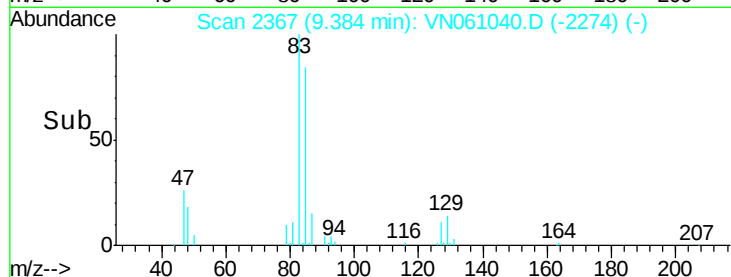
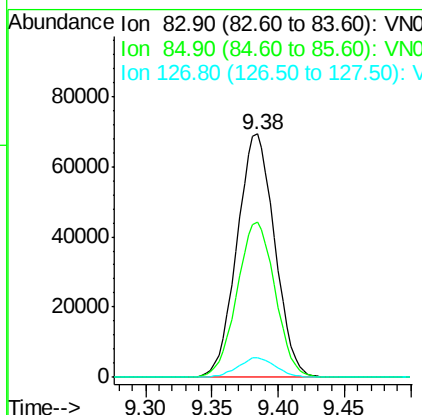
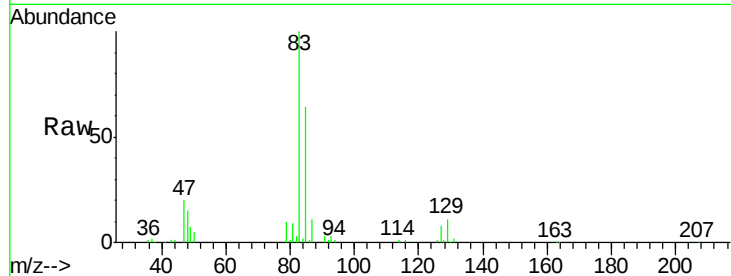
#47
 Bromodichloromethane
 Concen: 49.826 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	50.6	76.0	
127	8.2	6.1	9.1	

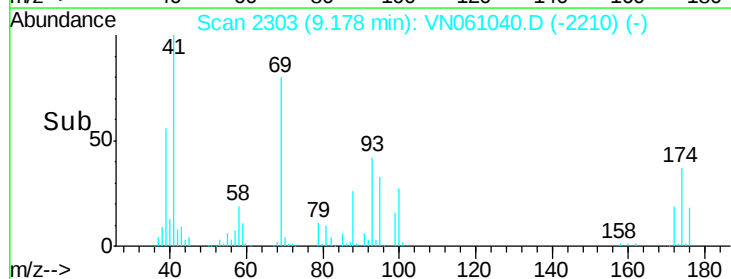
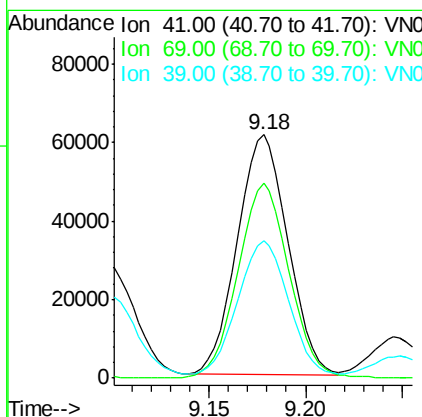
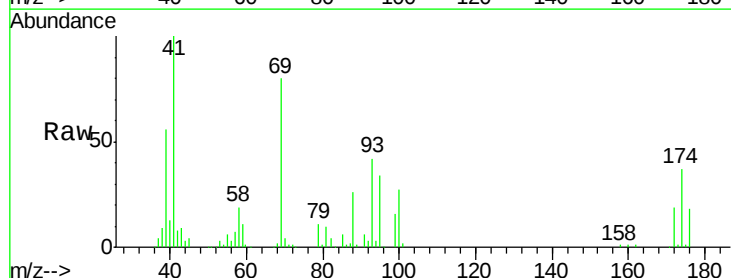
Manual Integrations
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 4/20/2020 10:20:11 AM



#48
 Methyl methacrylate
 Concen: 50.844 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	82.4	65.3	97.9	
39	55.9	45.2	67.8	





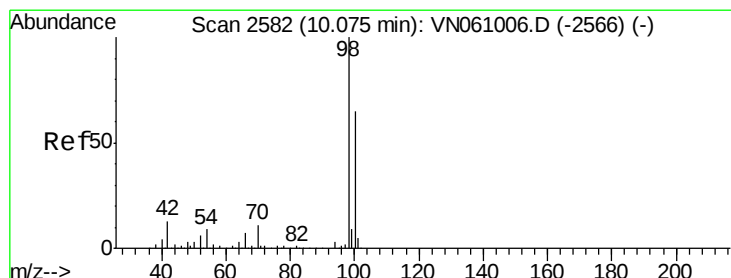
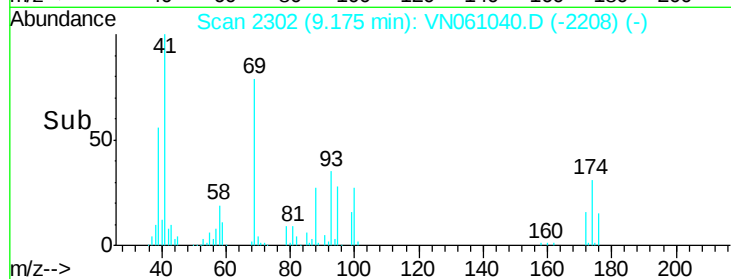
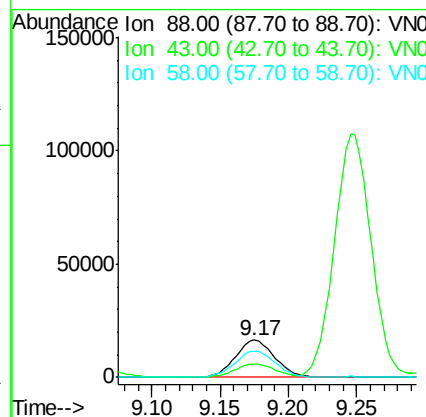
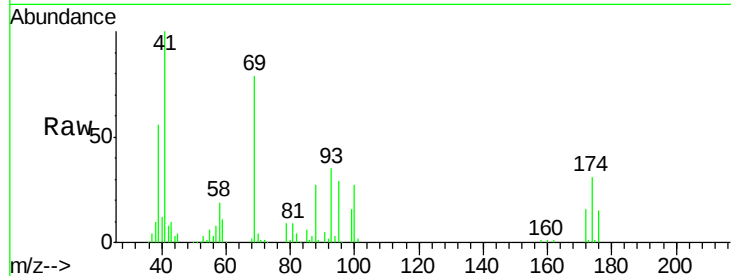
#49
1,4-Dioxane
Concen: 1080.800 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.9	46.3
58	73.4	59.8	89.8

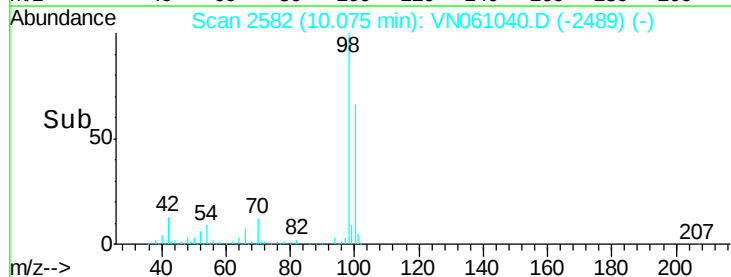
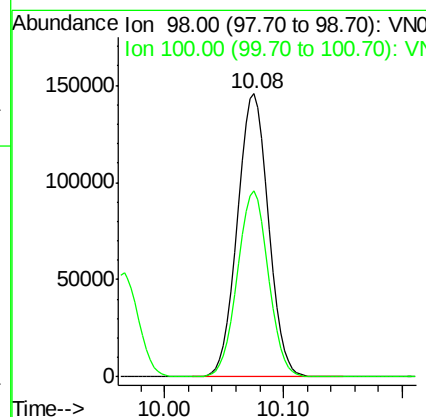
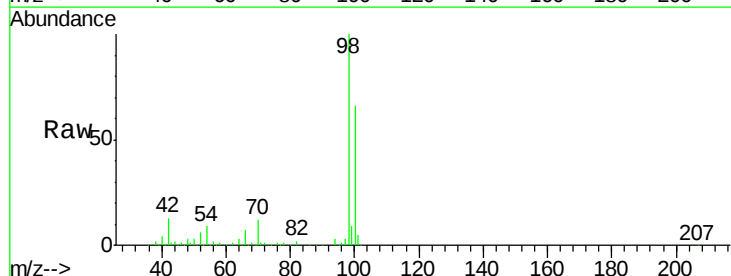
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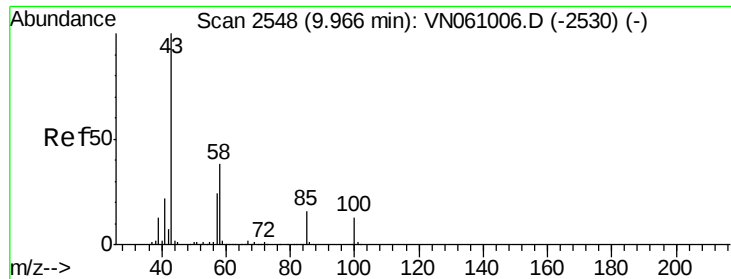
MMDadoda
4/20/2020 10:20:11 AM



#50
Toluene-d8
Concen: 43.990 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 255.604 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 731226

Ion Ratio Lower Upper

43 100

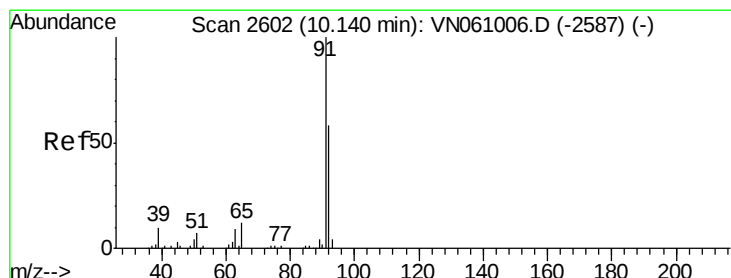
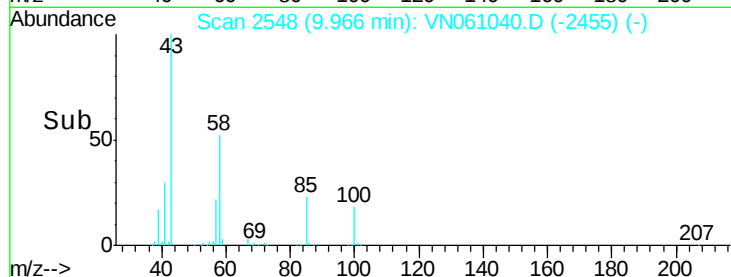
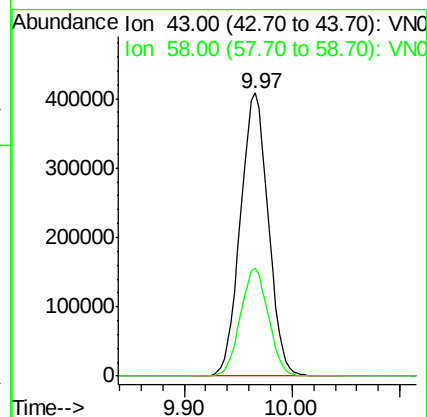
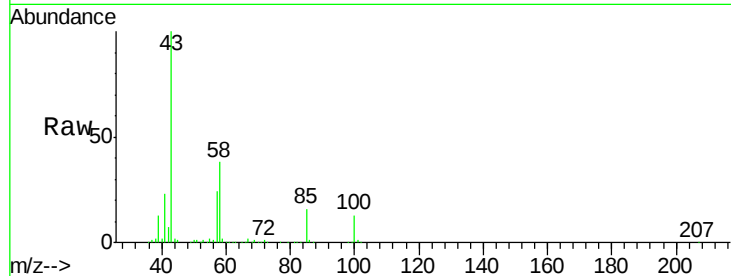
58 38.1 30.3 45.5

Manual Integrations

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4/20/2020 10:20:11 AM



#52

Toluene

Concen: 48.047 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061040.D

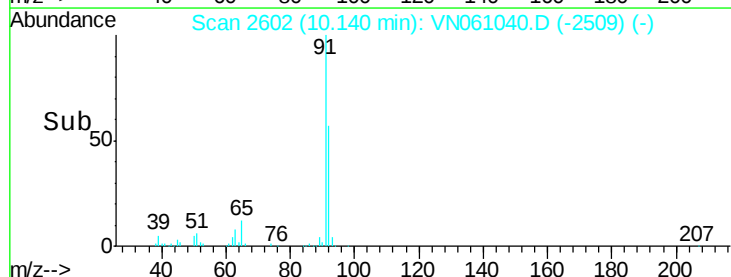
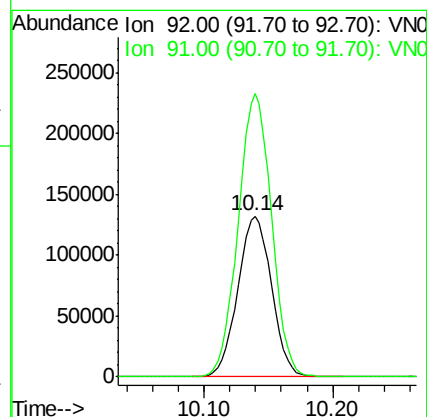
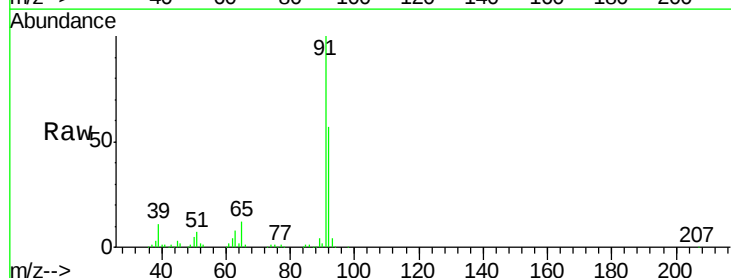
Acq: 17 Apr 2020 10:53

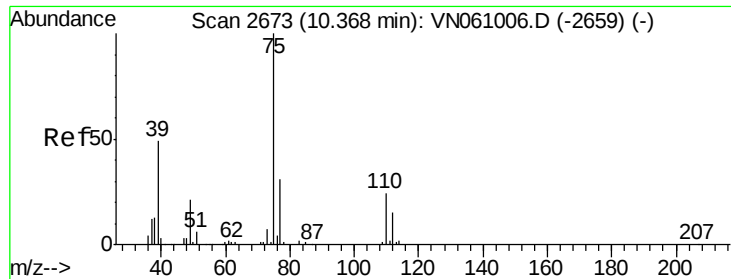
Tgt Ion: 92 Resp: 240297

Ion Ratio Lower Upper

92 100

91 174.2 137.7 206.5





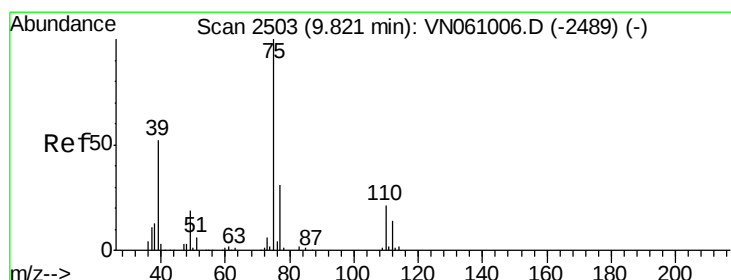
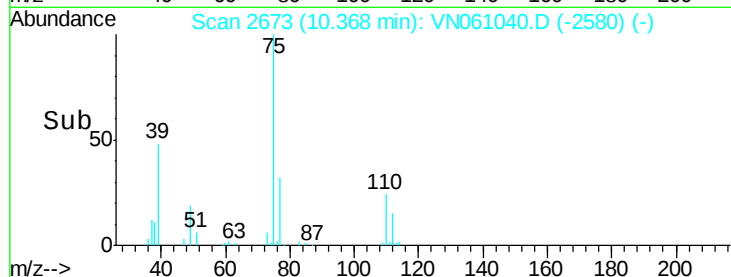
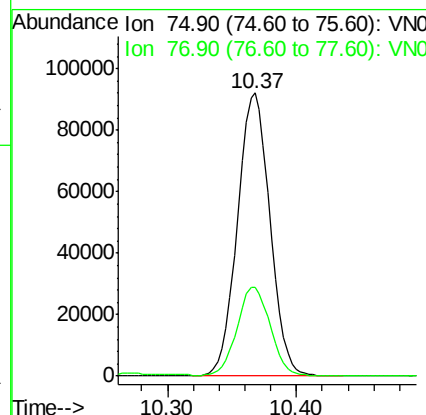
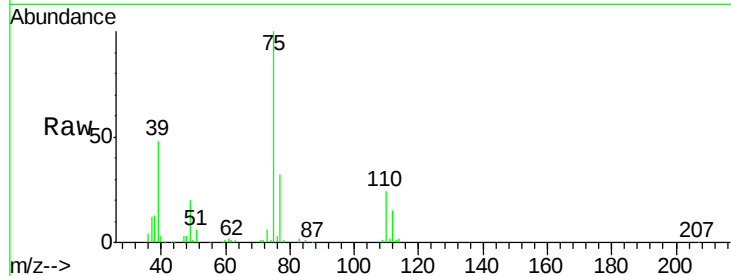
#53
t-1,3-Dichloropropene
Concen: 50.657 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 161384
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6

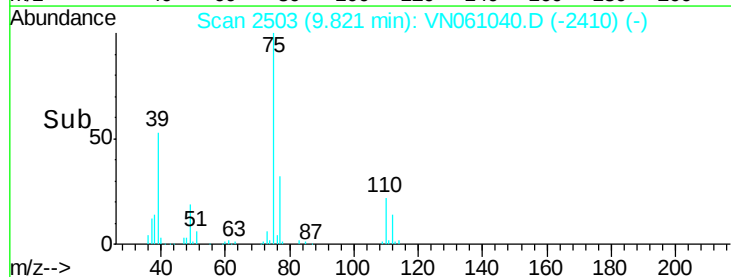
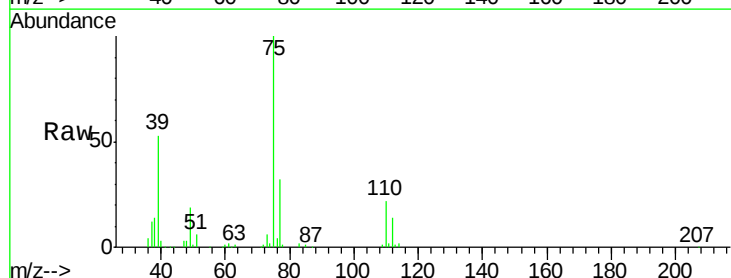
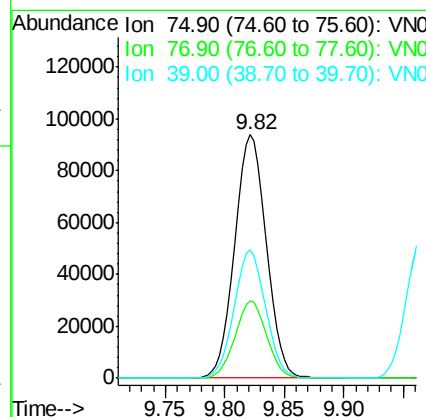
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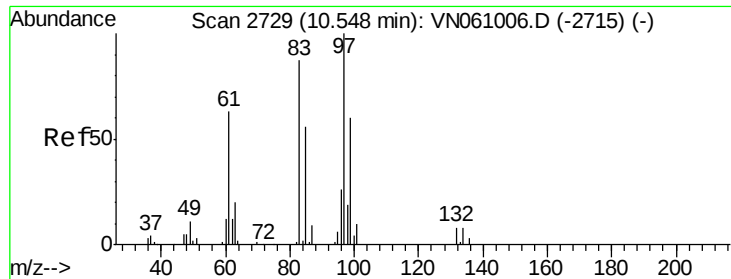
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.829 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion: 75 Resp: 173205
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 52.6 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 50.393 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

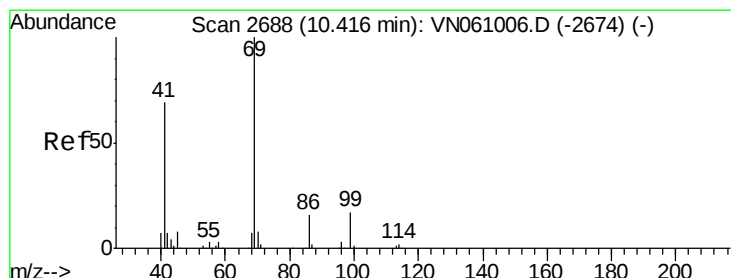
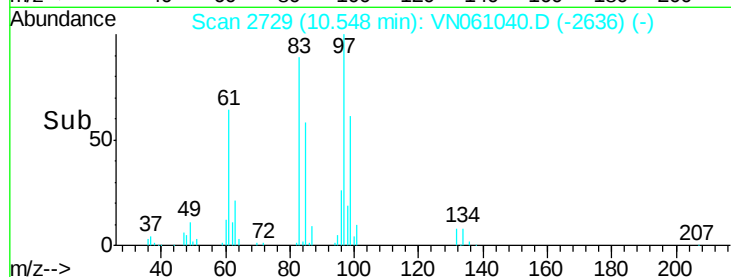
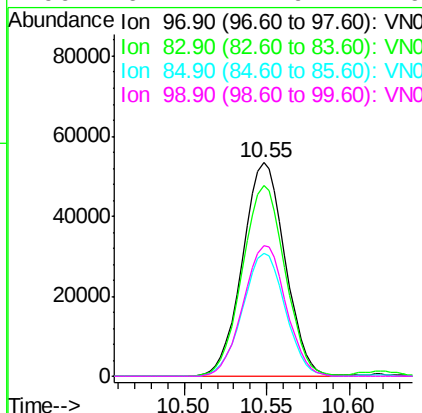
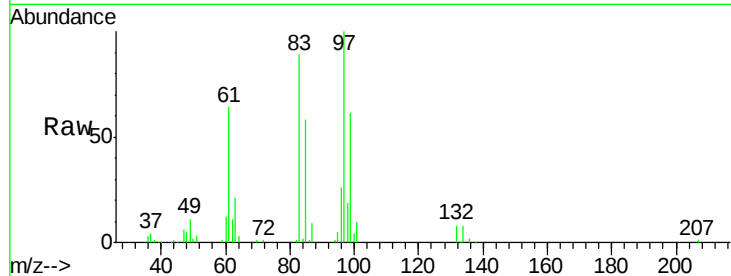
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	95376
Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.5	104.3
85	57.6	45.0	67.4
99	61.2	47.9	71.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 51.914 ug/l

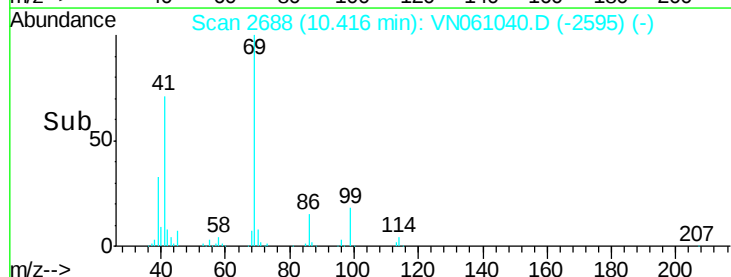
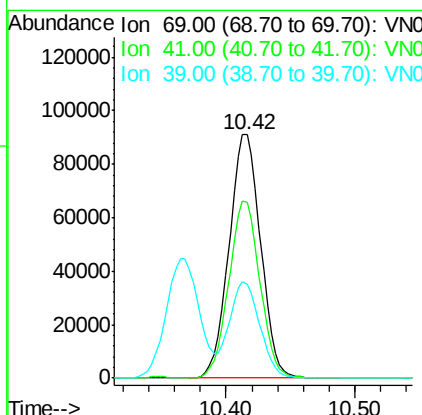
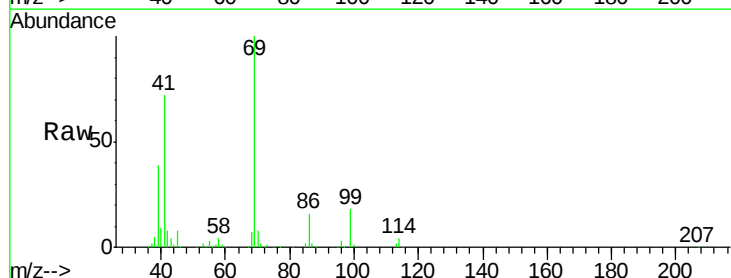
RT: 10.42 min Scan# 2688

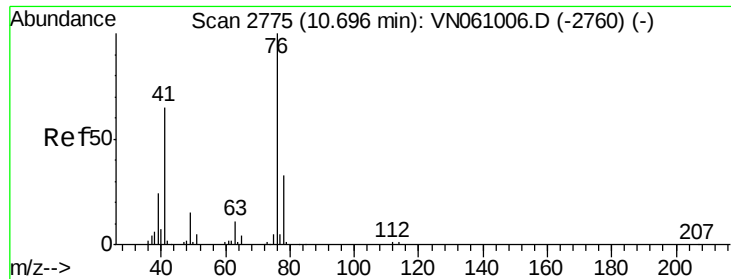
Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Tgt Ion:	69	Resp:	154504
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.7	85.1
39	39.0	29.4	44.0





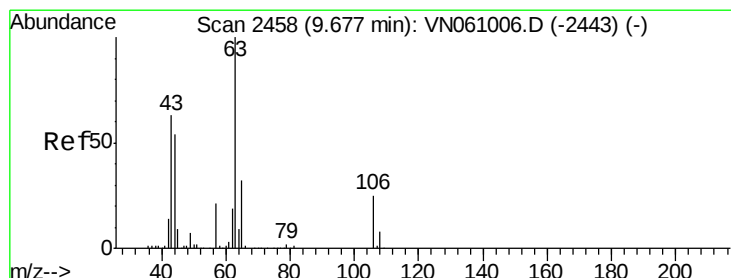
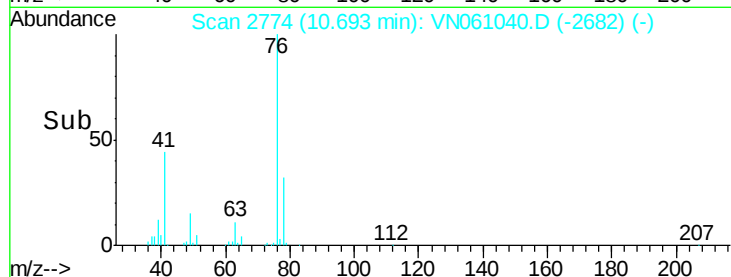
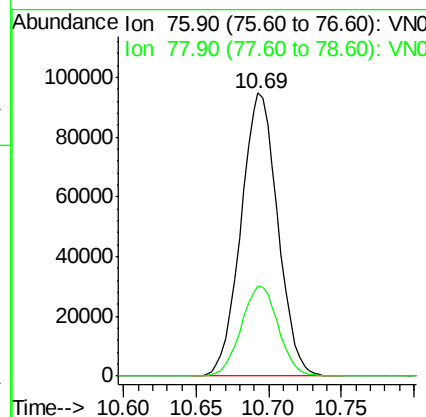
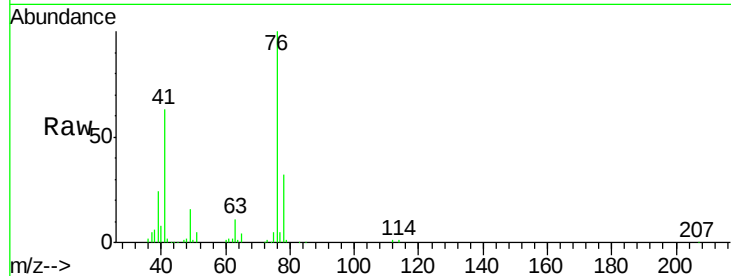
#57
 1,3-Dichloropropane
 Concen: 49.347 ug/l
 RT: 10.69 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 166590
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0

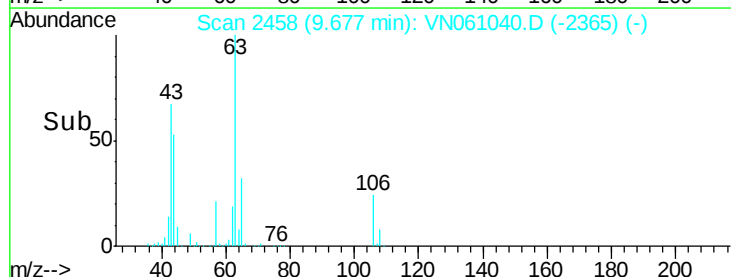
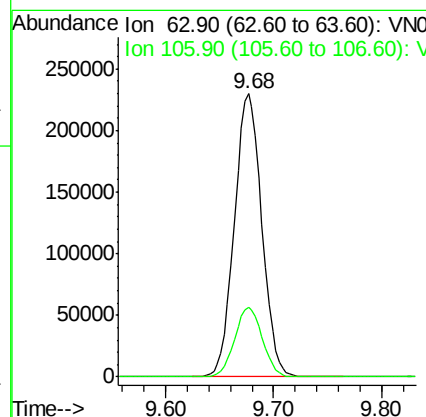
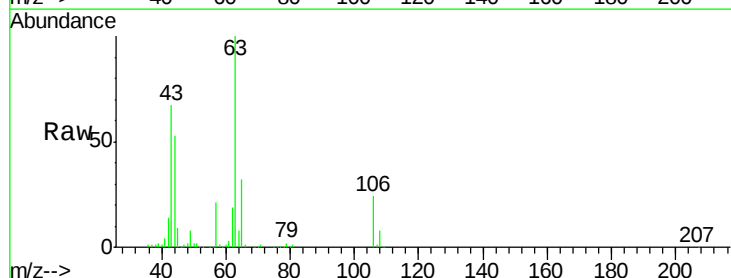
Manual Integrations
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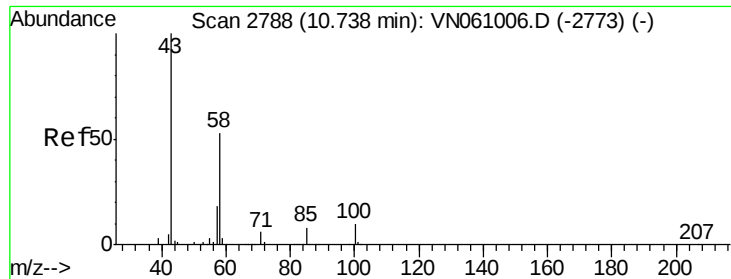
MMDadoda
 4/20/2020 10:20:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 300.905 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Tgt Ion: 63 Resp: 406931
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.5 29.3





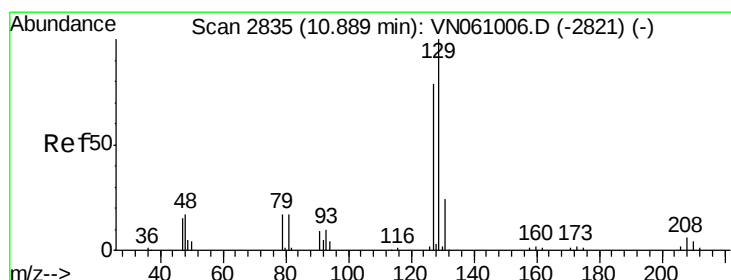
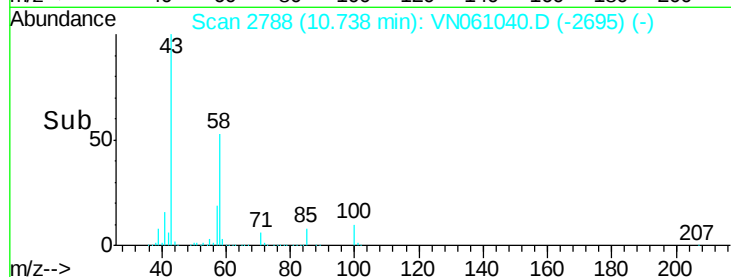
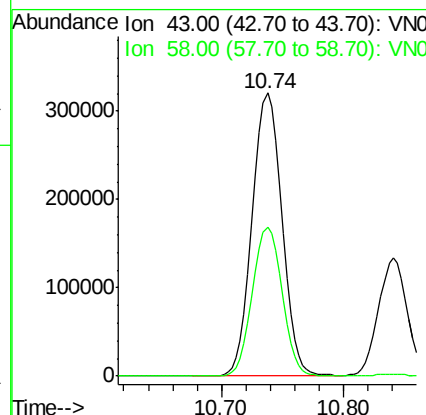
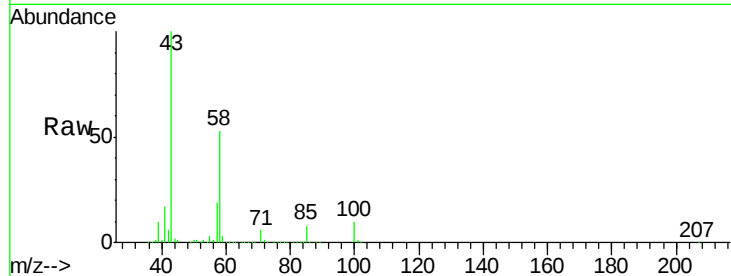
#59
2-Hexanone
Concen: 261.222 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 538935
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0

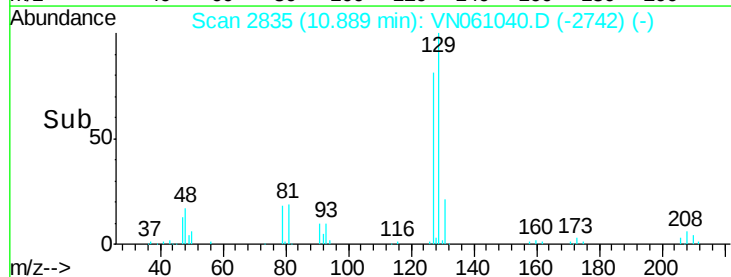
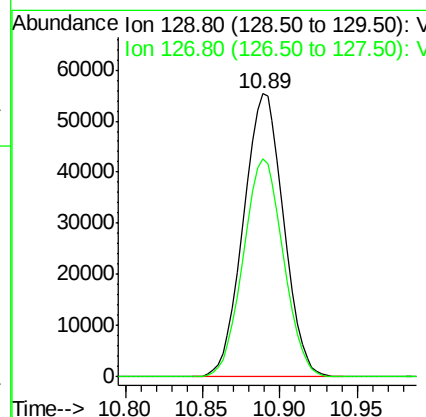
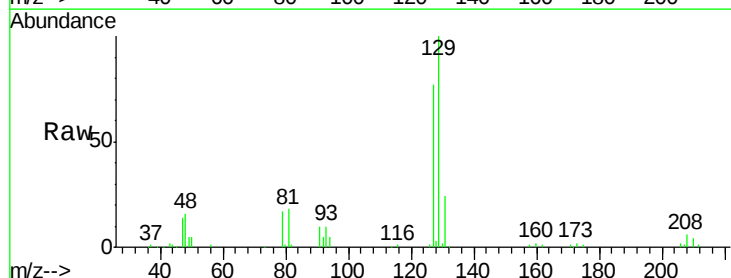
Manual Integrations
APPROVED

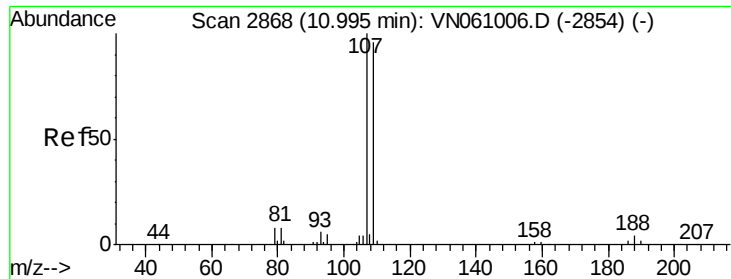
MMDadoda
4/20/2020 10:20:11 AM



#60
Dibromochloromethane
Concen: 51.366 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion: 129 Resp: 99867
Ion Ratio Lower Upper
129 100
127 77.0 39.0 116.9





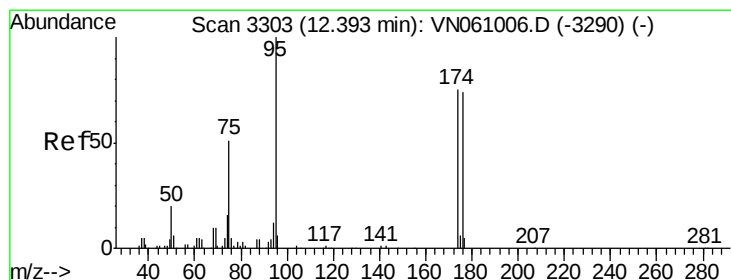
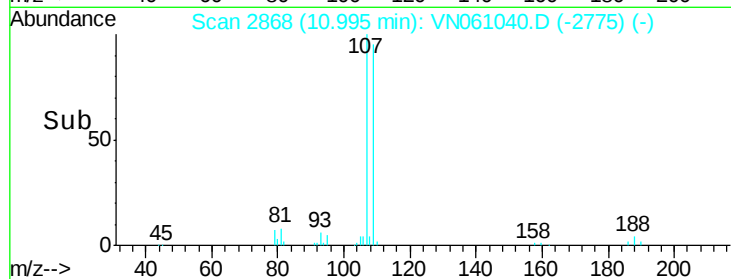
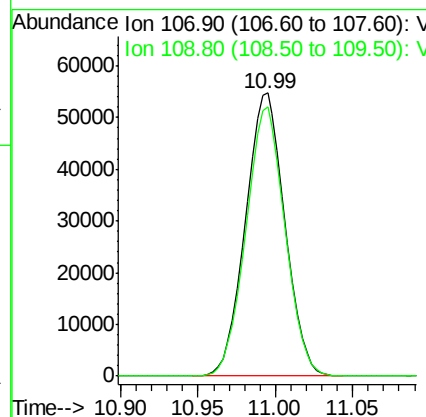
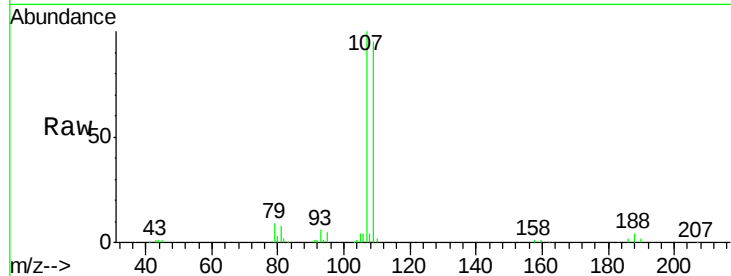
#61
 1,2-Dibromoethane
 Concen: 50.166 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9

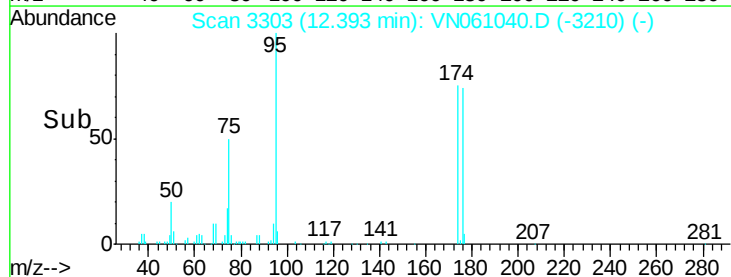
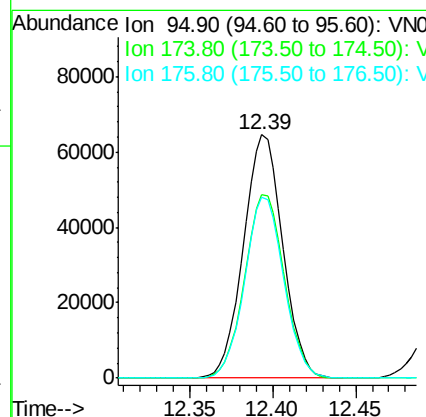
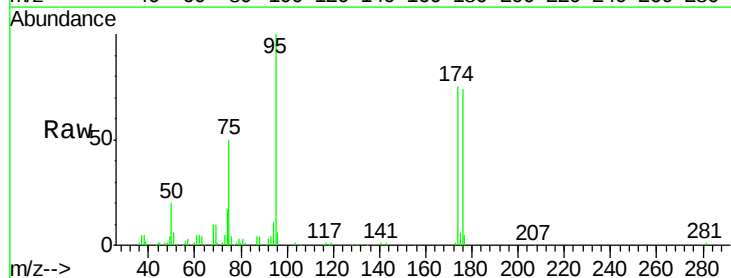
Manual Integrations
 APPROVED

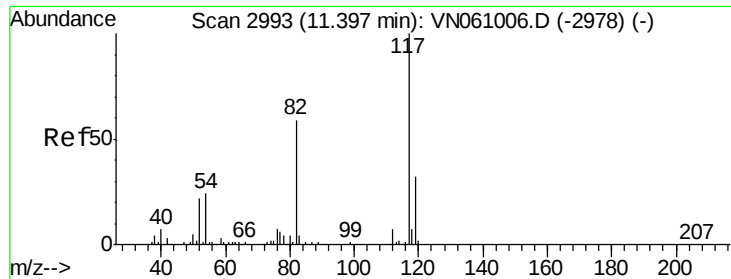
MMDadoda
 4/20/2020 10:20:11 AM



#62
 4-Bromofluorobenzene
 Concen: 45.138 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	151.2
176	73.9	0.0	148.2





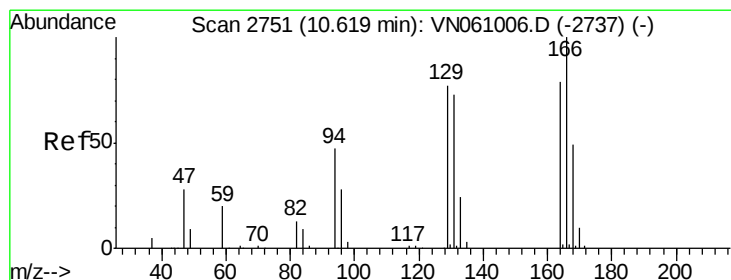
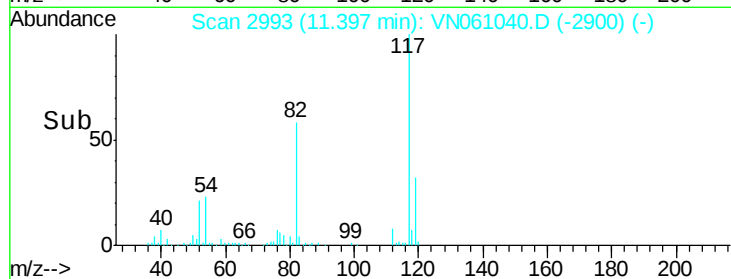
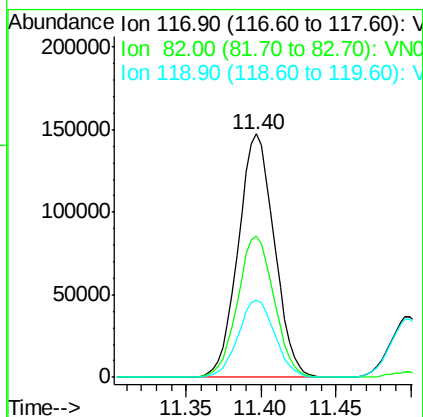
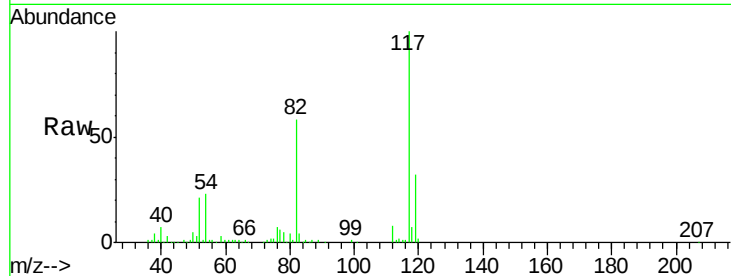
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.1	70.7
119	31.9	25.7	38.5

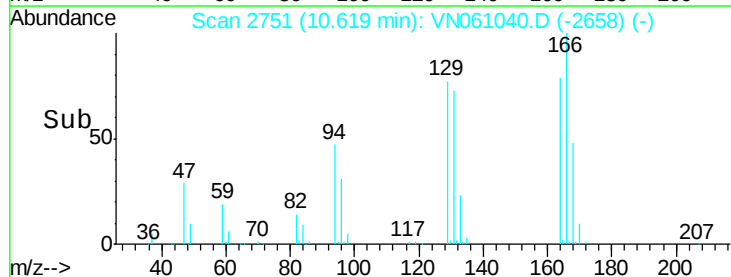
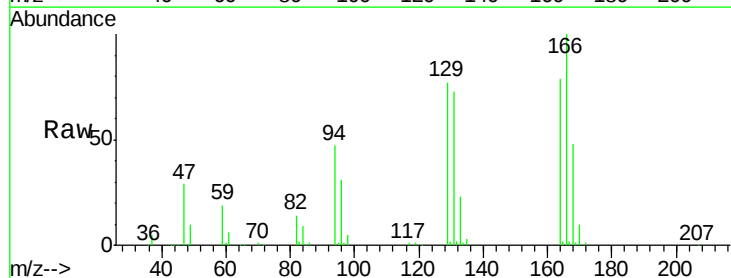
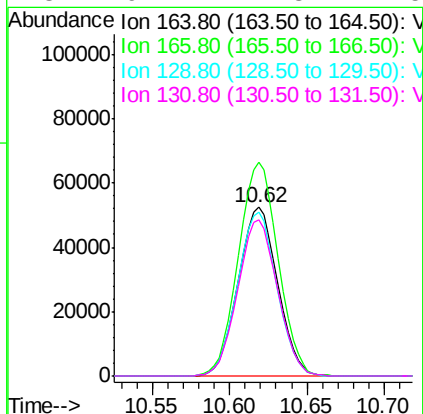
Manual Integrations
APPROVED

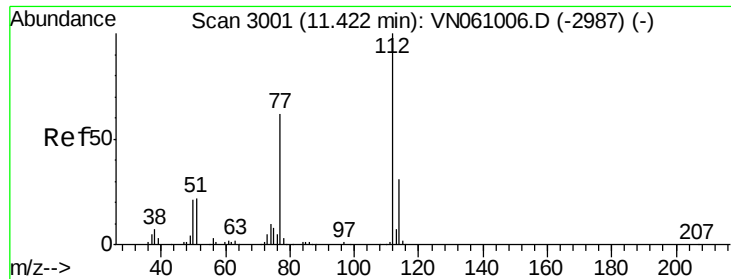
MMDadoda
4/20/2020 10:20:11 AM



#64
Tetrachloroethene
Concen: 49.063 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.6	152.4
129	97.0	78.5	117.7
131	92.7	74.3	111.5





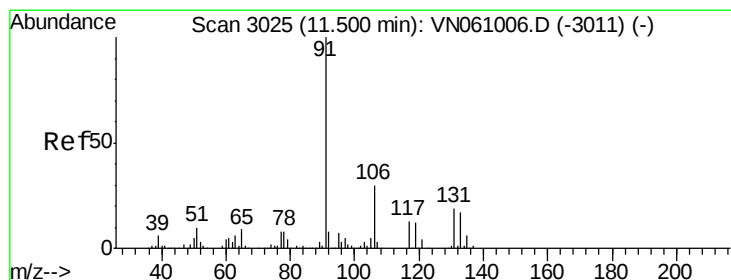
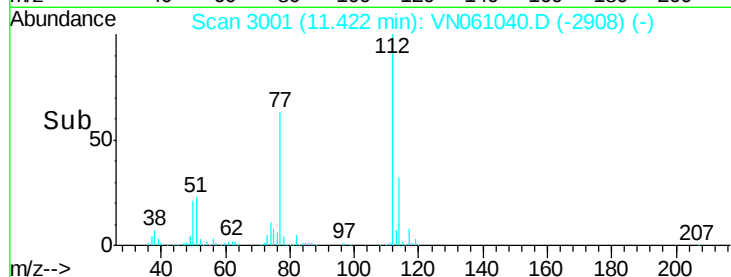
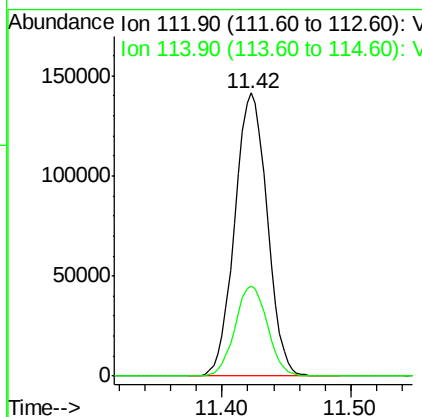
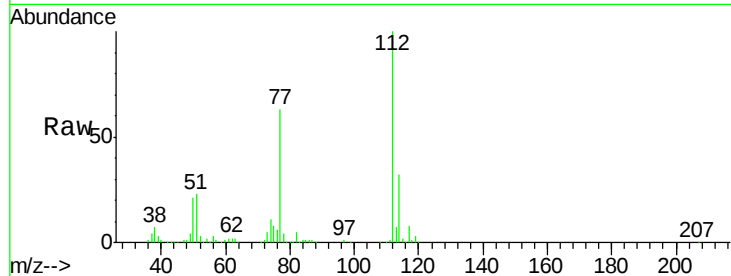
#65
Chlorobenzene
Concen: 48.364 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 247598
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7

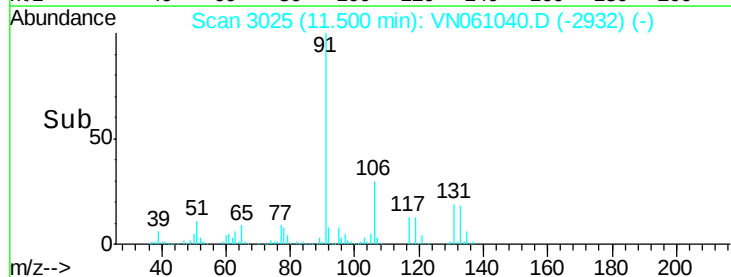
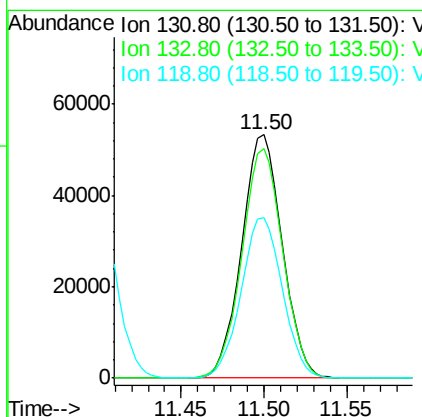
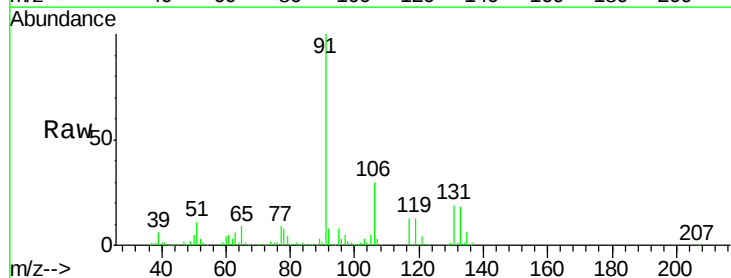
Manual Integrations
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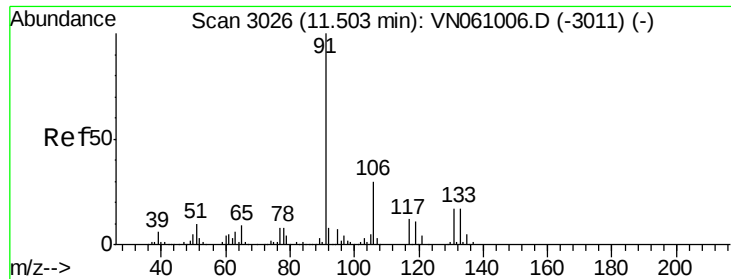
MMDadoda
4/20/2020 10:20:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.578 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion:131 Resp: 90806
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.8
119 66.7 33.3 99.8





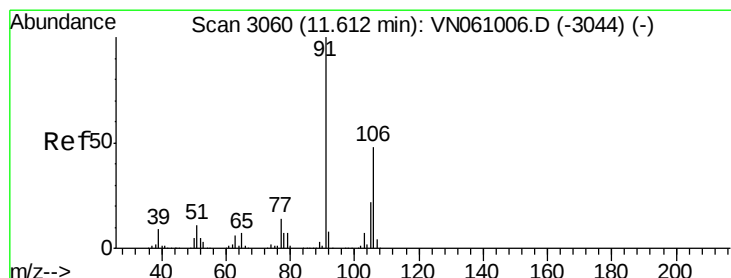
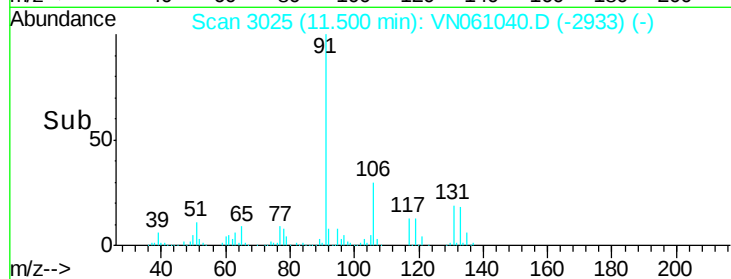
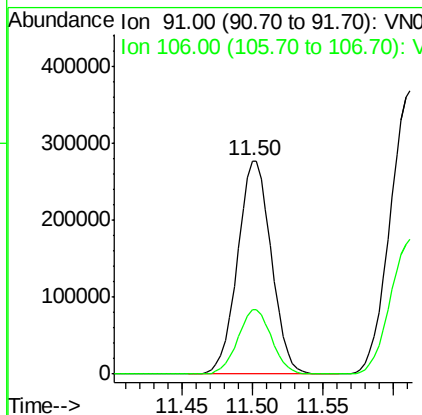
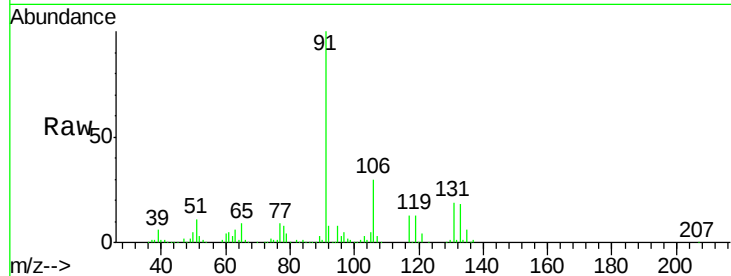
#67
Ethyl Benzene
Concen: 48.322 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 465343
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

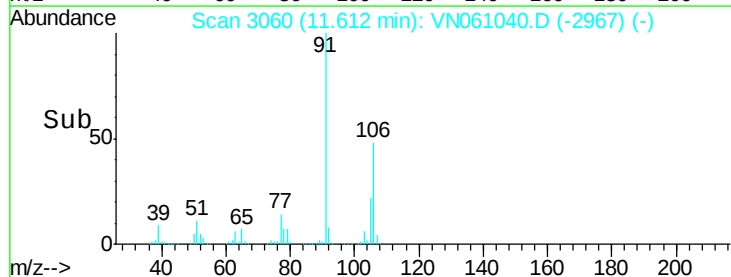
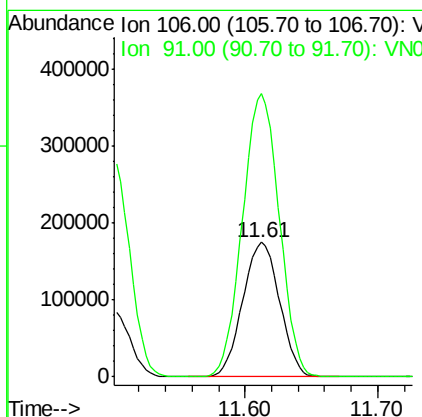
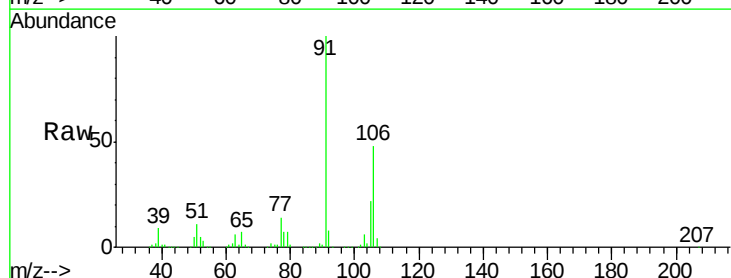
Manual Integrations
APPROVED

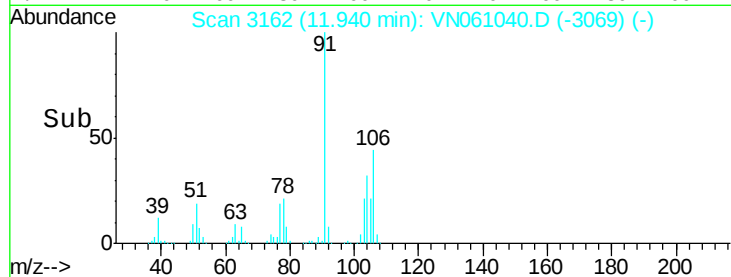
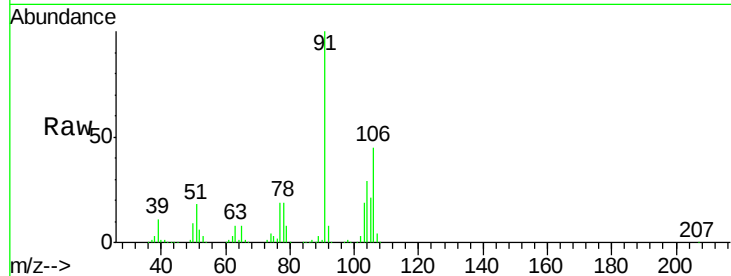
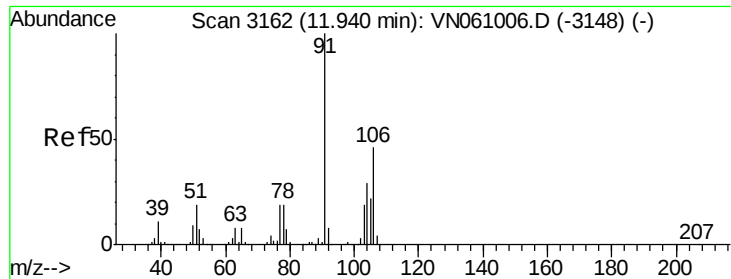
MMDadoda
4/20/2020 10:20:11 AM



#68
m/p-Xylenes
Concen: 97.198 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion: 106 Resp: 338273
Ion Ratio Lower Upper
106 100
91 210.2 167.9 251.9





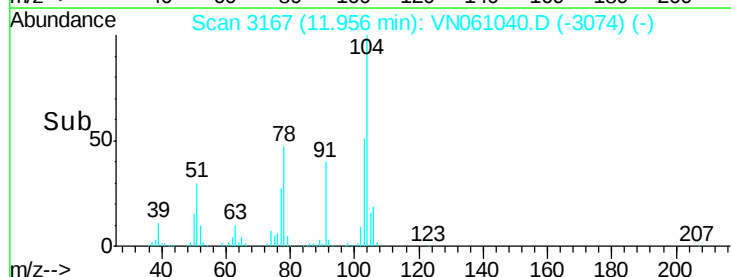
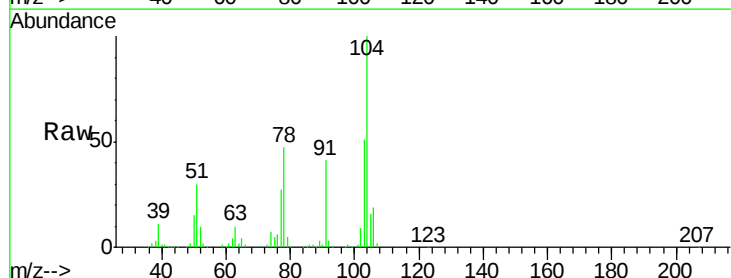
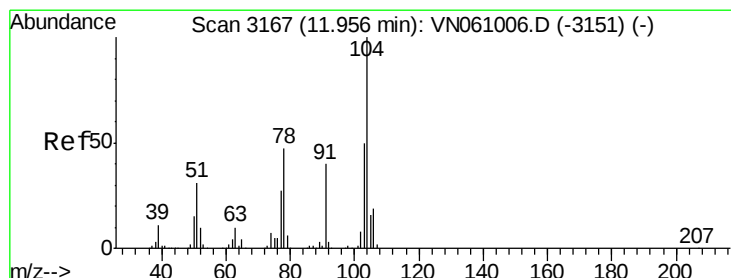
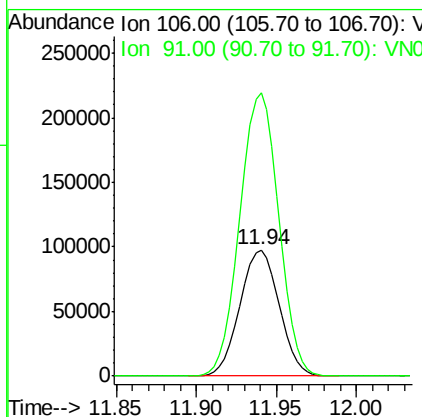
#69
o-Xylene
Concen: 48.854 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		163474		
91	222.6	110.7	332.1		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

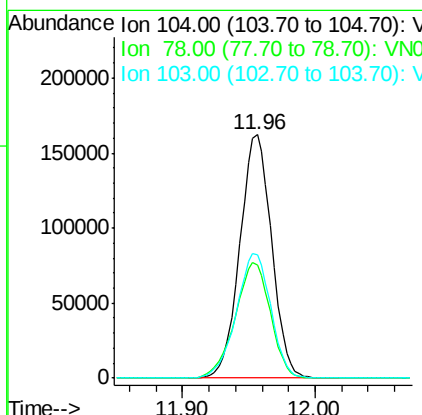
Manual Integrations
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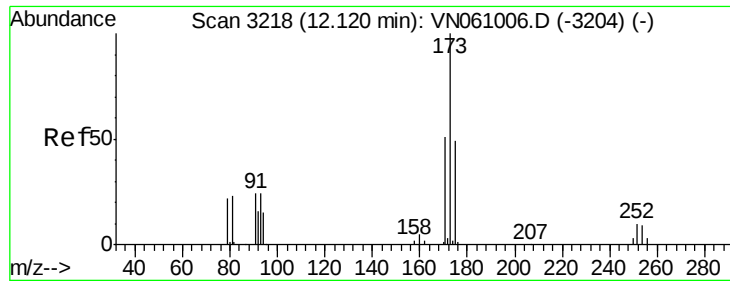
MMDadoda
4/20/2020 10:20:11 AM



#70
Styrene
Concen: 50.263 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		270769		
78	52.5	42.2	63.4		
103	55.3	44.4	66.6		





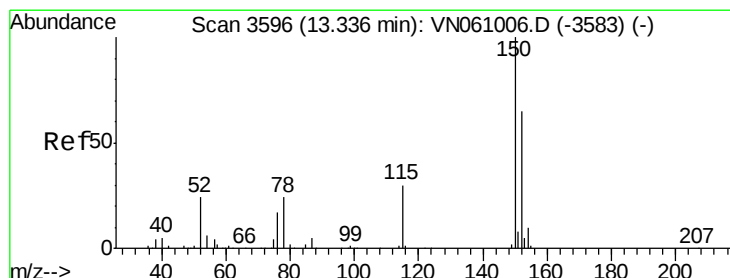
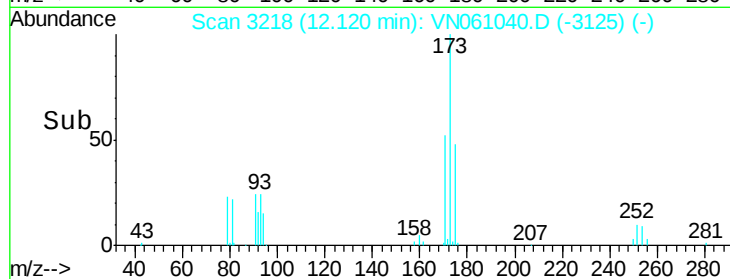
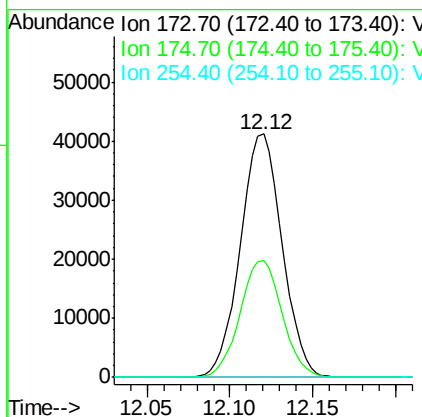
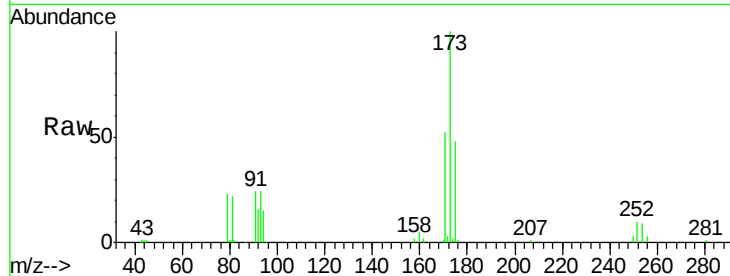
#71
Bromoform
Concen: 52.783 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.5	73.5
254	0.0	0.0	0.0

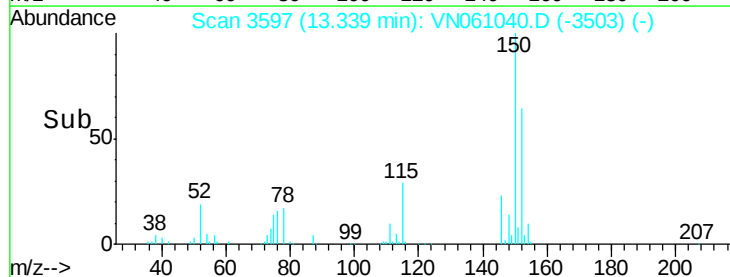
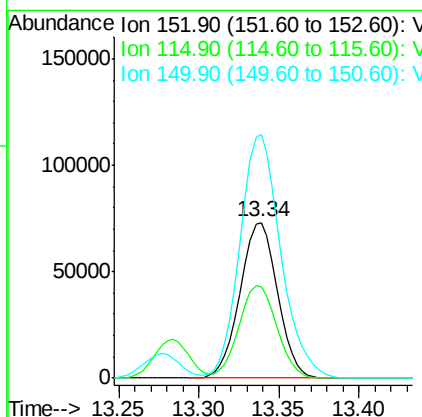
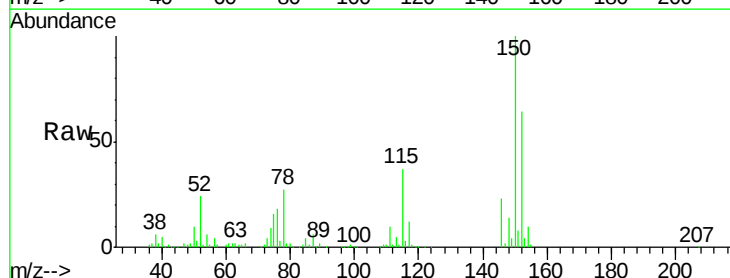
Manual Integrations
APPROVED

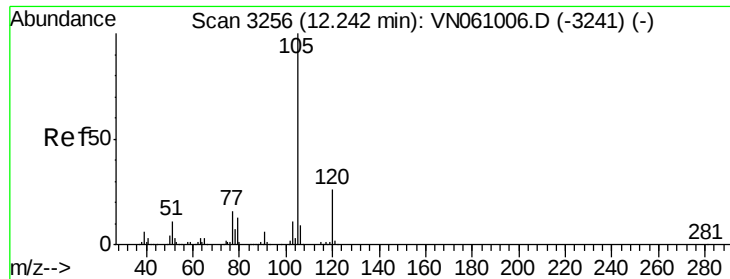
MMDadoda
4/20/2020 10:20:11 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.8	92.4
150	171.0	0.0	349.0





#73

Isopropylbenzene

Concen: 46.766 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 436717

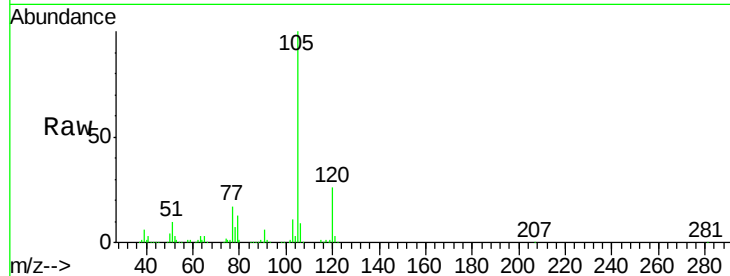
Ion Ratio Lower Upper

105 100

120 25.7 13.0 38.9

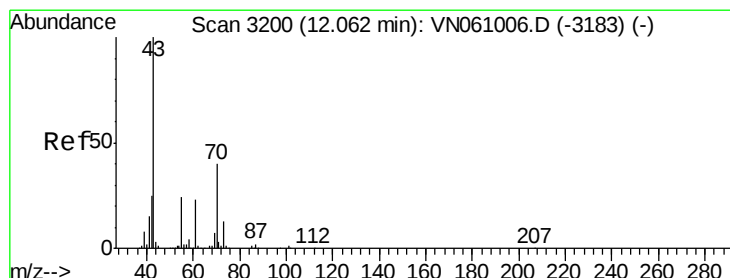
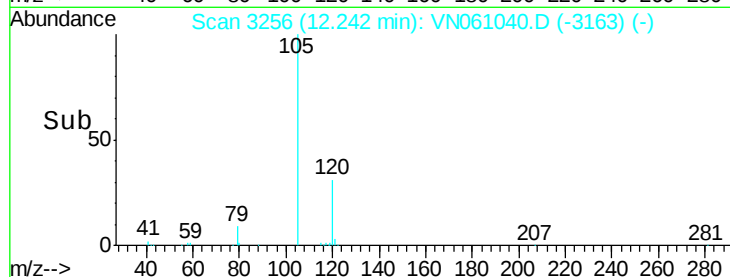
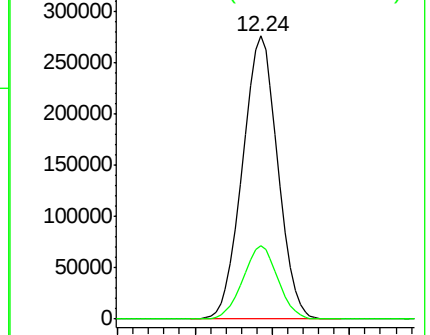
Manual Integrations
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MMDadoda
4/20/2020 10:20:11 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.538 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Tgt Ion: 43 Resp: 215125

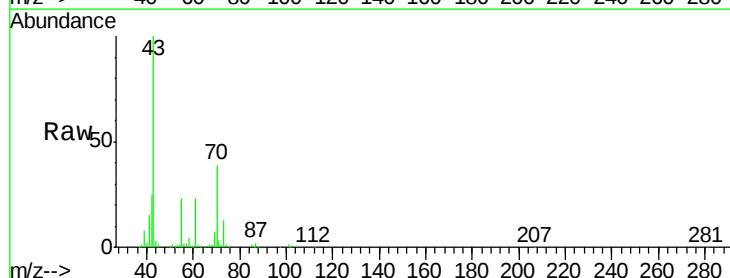
Ion Ratio Lower Upper

43 100

70 39.1 31.0 46.6

55 23.2 18.6 27.8

61 23.2 18.2 27.4

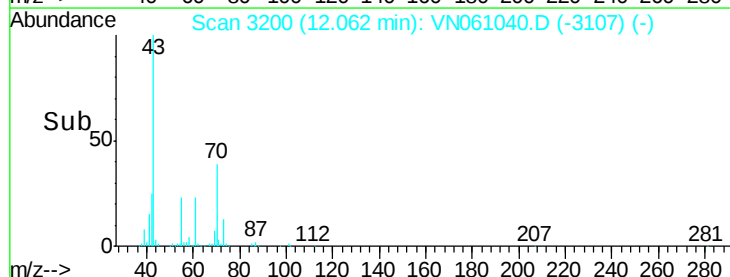
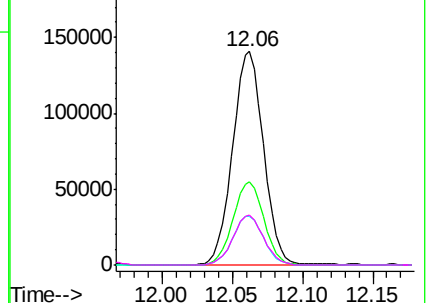


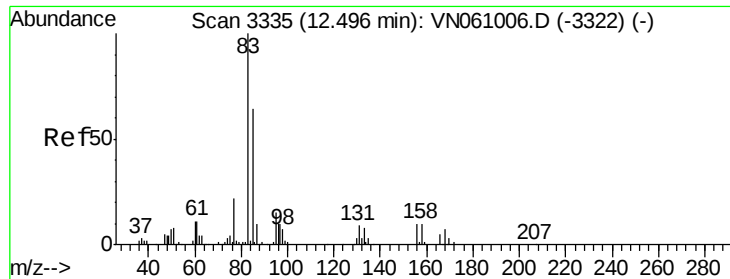
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.501 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 141108

Ion Ratio Lower Upper

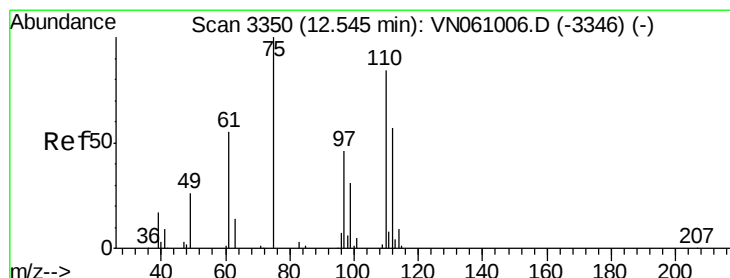
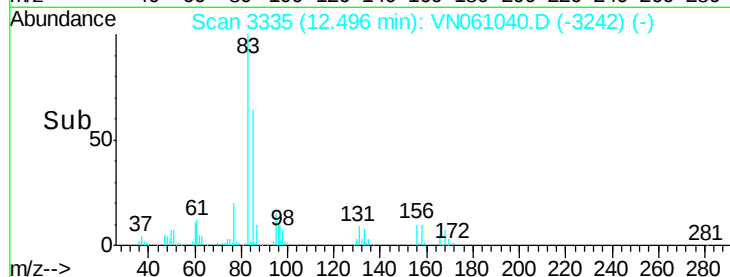
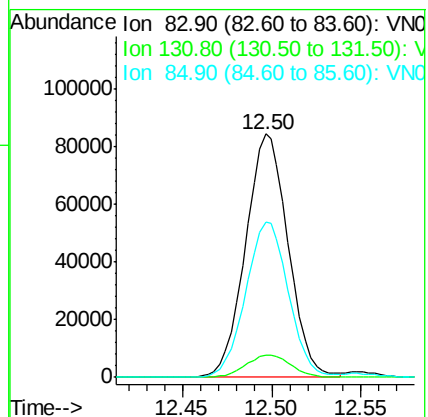
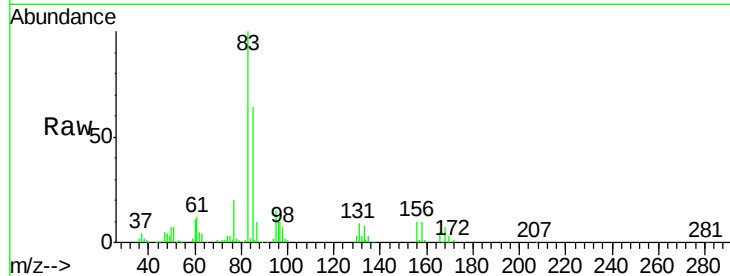
83 100

131 9.6 4.8 14.3

85 64.1 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.927 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061040.D

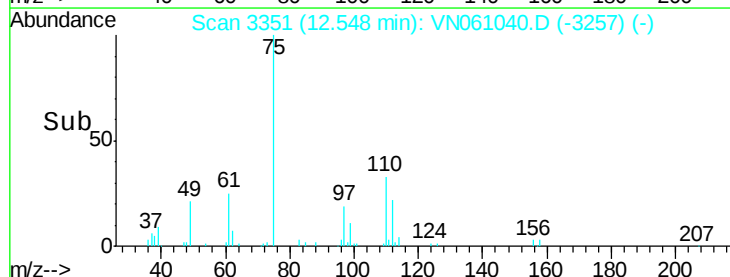
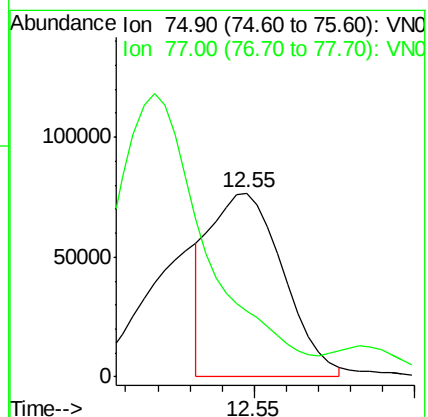
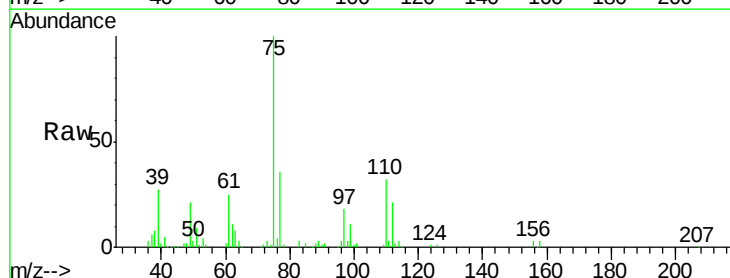
Acq: 17 Apr 2020 10:53

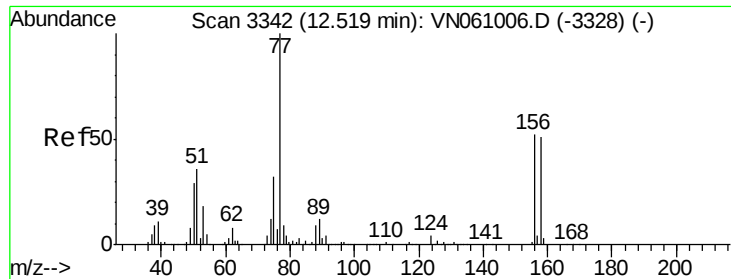
Tgt Ion: 75 Resp: 122880

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.495 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

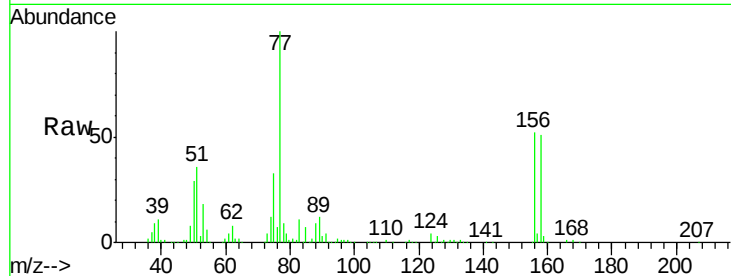
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	103556
Ion Ratio	Lower	Upper	
156	100		
77	231.7	115.6	346.8
158	97.1	48.9	146.6

Manual Integrations
APPROVED

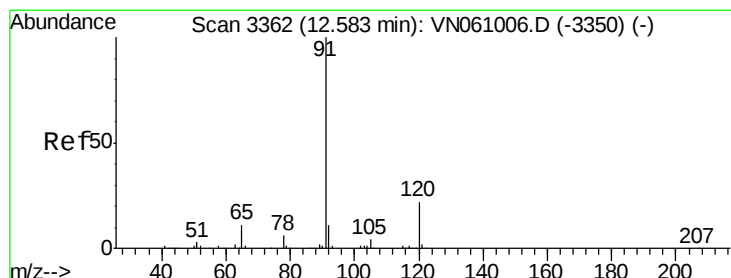
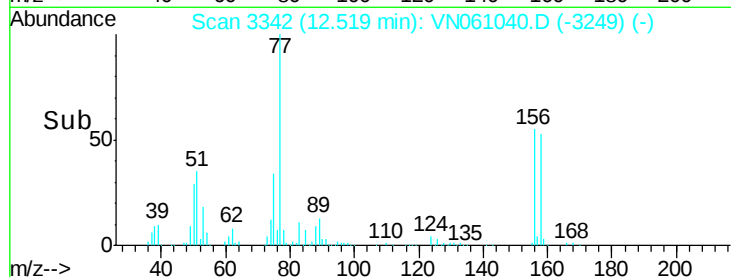
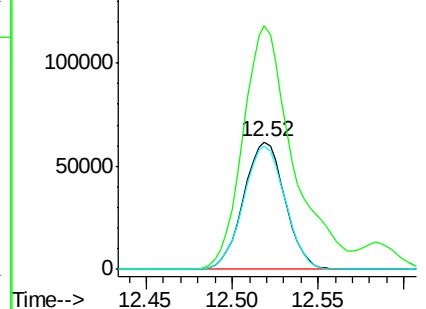
MMDadoda
4/20/2020 10:20:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.664 ug/l

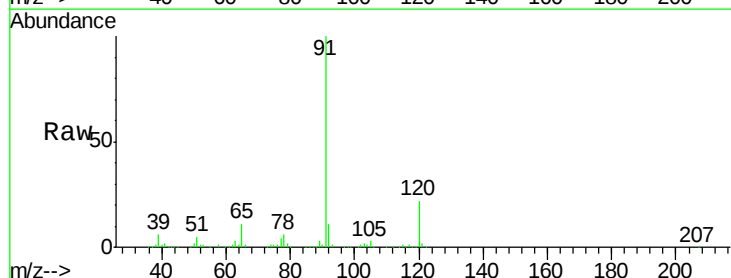
RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061040.D

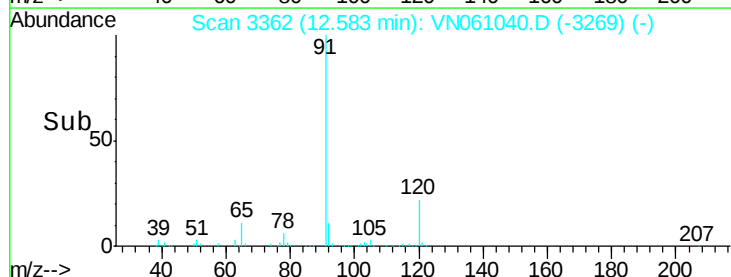
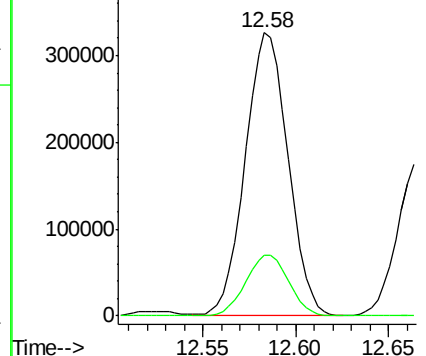
Acq: 17 Apr 2020 10:53

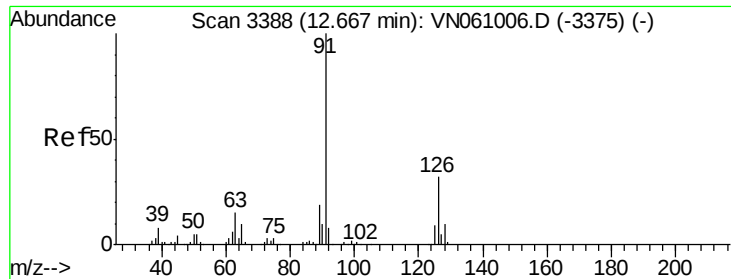
Tgt Ion:	91	Resp:	520754
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





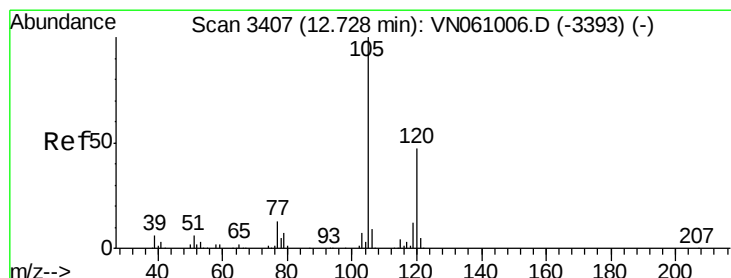
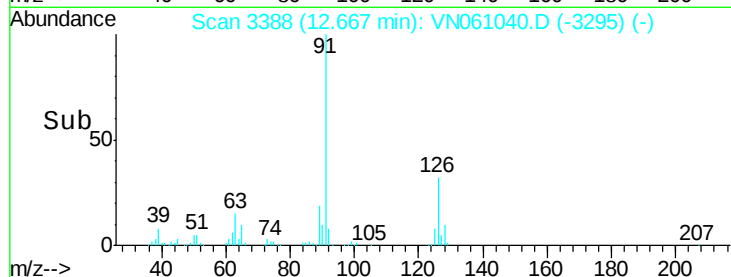
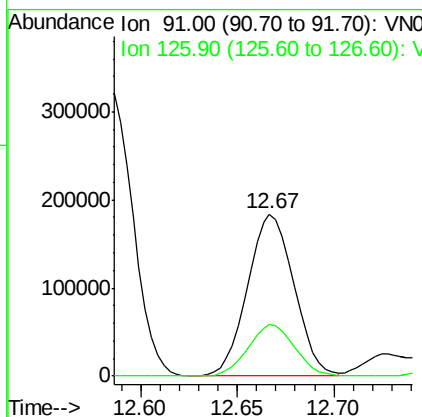
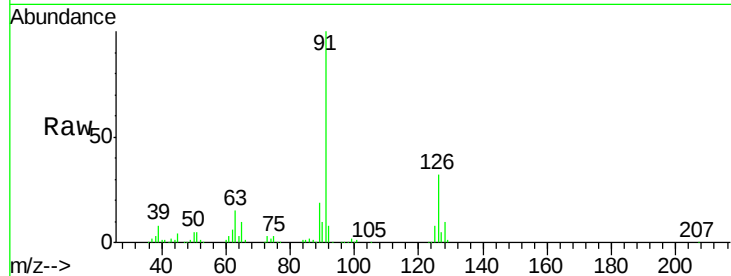
#79
 2-Chlorotoluene
 Concen: 47.816 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.1	48.2

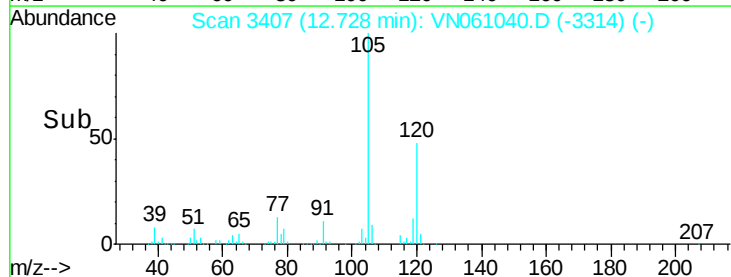
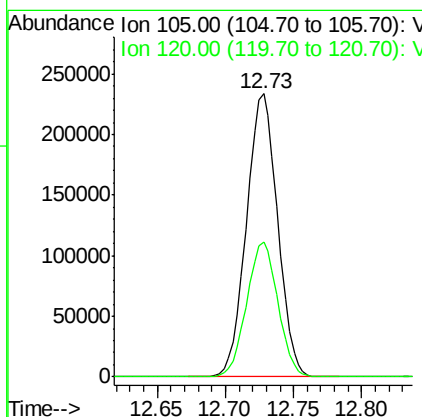
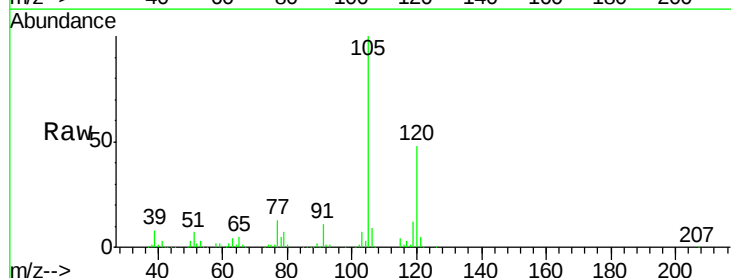
Manual Integrations
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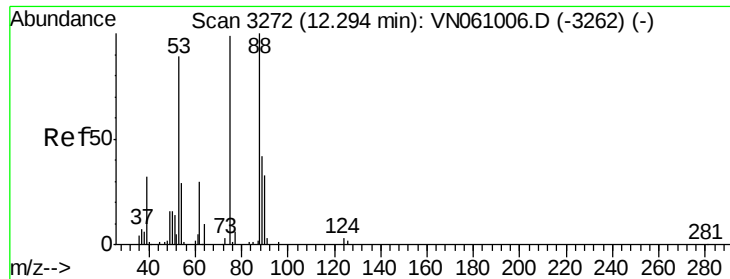
MMDadoda
 4/20/2020 10:20:11 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 47.967 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.707 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 51668

Ion Ratio Lower Upper

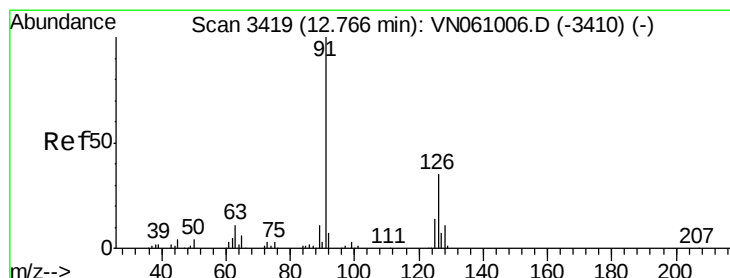
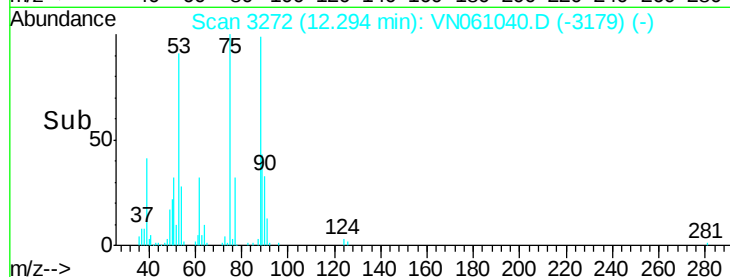
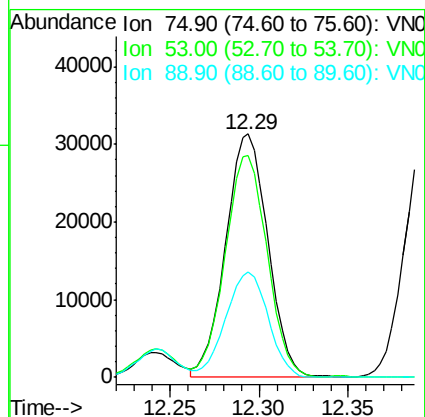
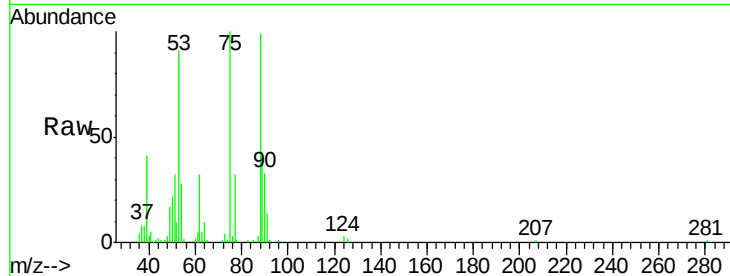
75 100

53 90.8 74.7 112.1

89 43.3 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.792 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN061040.D

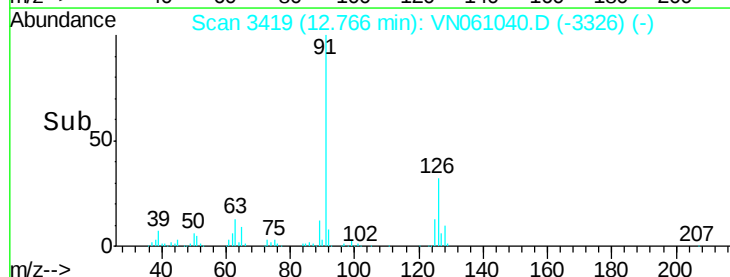
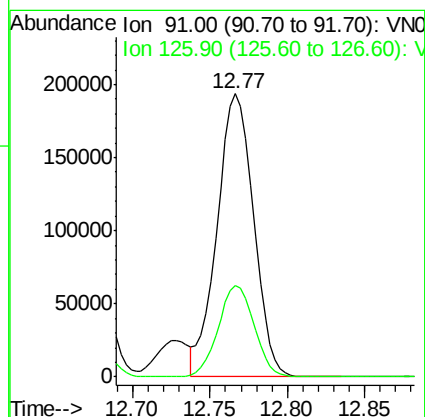
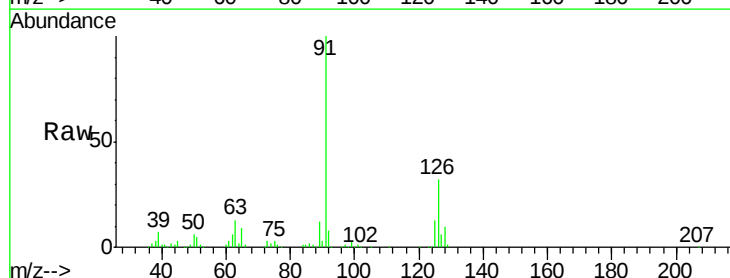
Acq: 17 Apr 2020 10:53

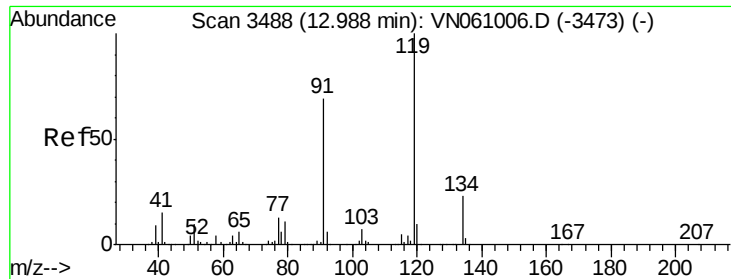
Tgt Ion: 91 Resp: 317619

Ion Ratio Lower Upper

91 100

126 31.7 15.9 47.6





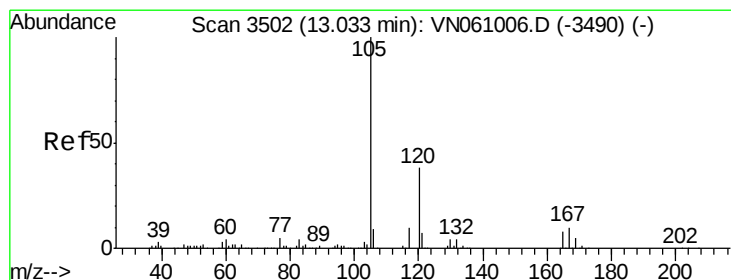
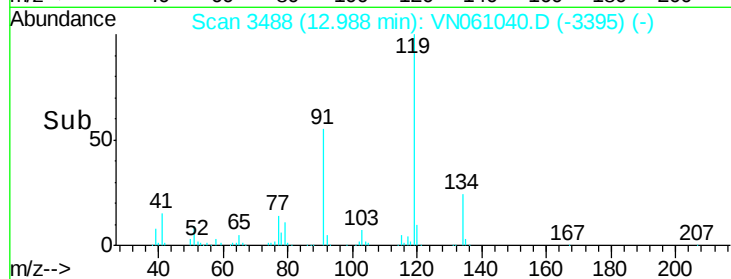
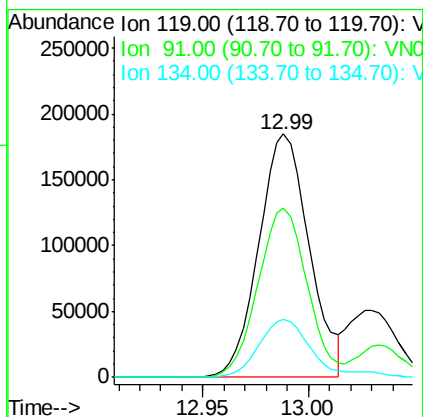
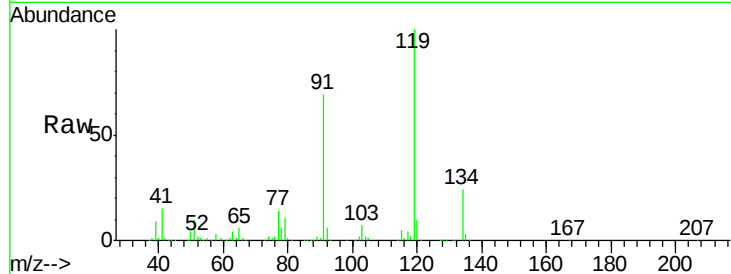
#83
tert-Butylbenzene
Concen: 47.348 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	25.3	12.4	37.2

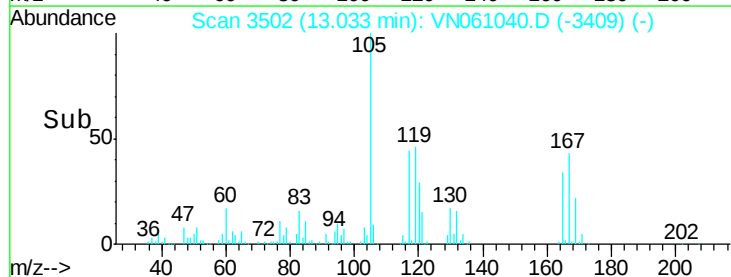
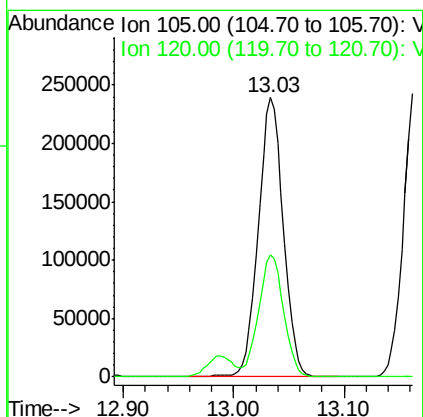
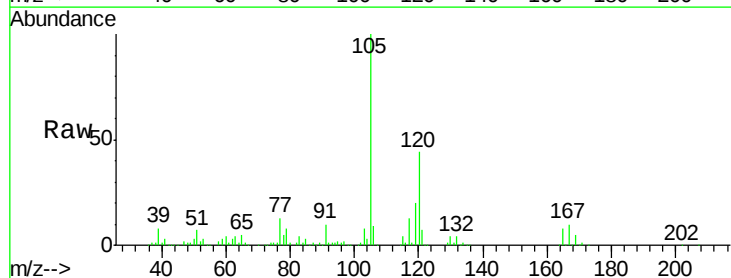
Manual Integrations
APPROVED

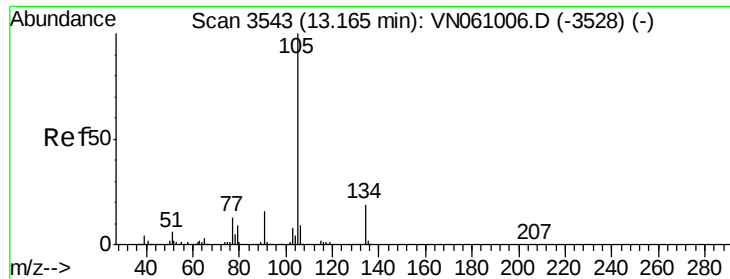
MMDadoda
4/20/2020 10:20:11 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.128 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 47.607 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 418722

Ion Ratio Lower Upper

105 100

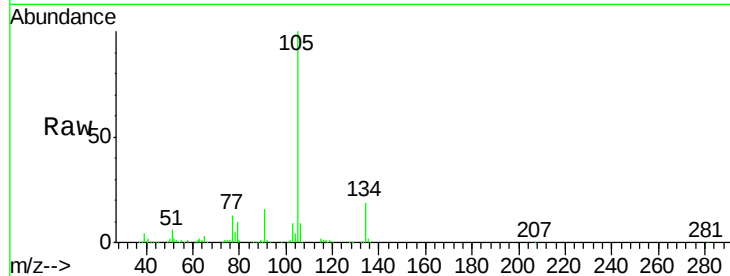
134 19.1 9.5 28.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

150000

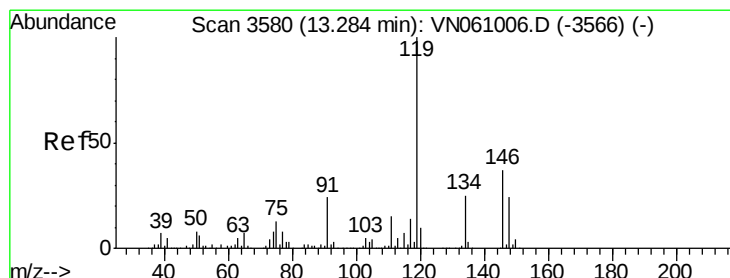
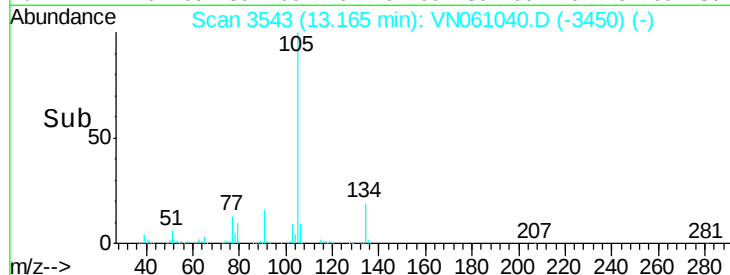
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 48.160 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

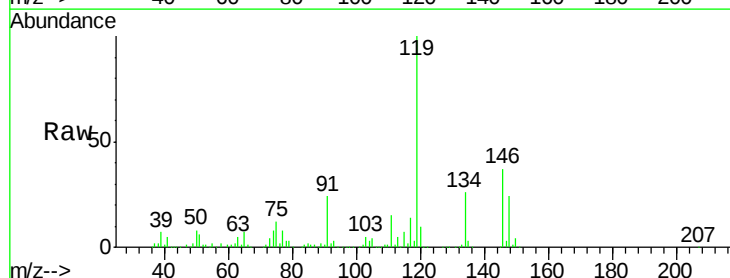
Tgt Ion:119 Resp: 377198

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.4 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

300000

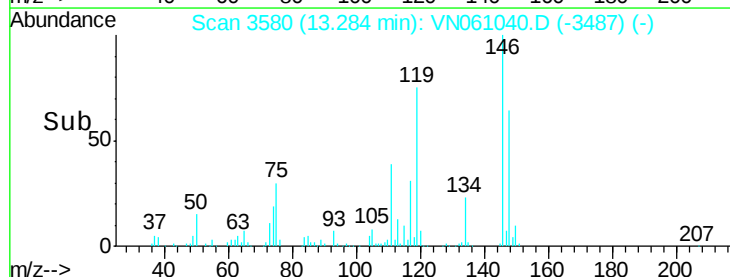
200000

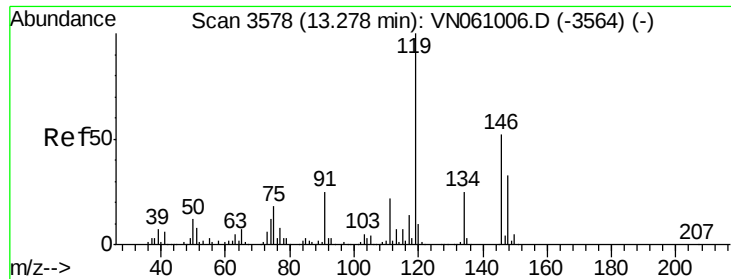
100000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.664 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Instrument :

MSVOA_N

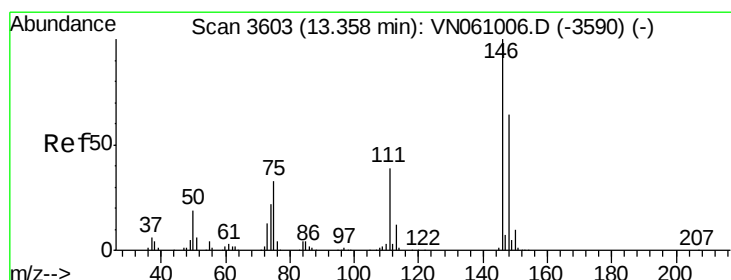
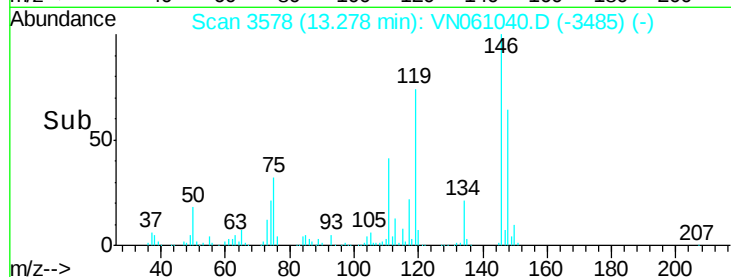
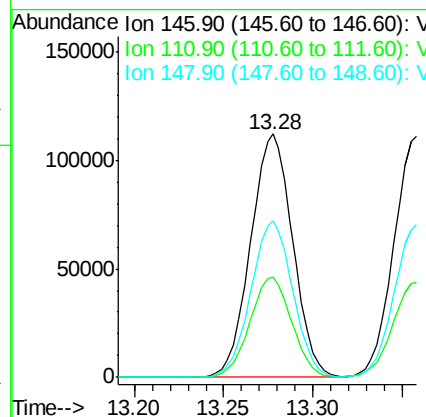
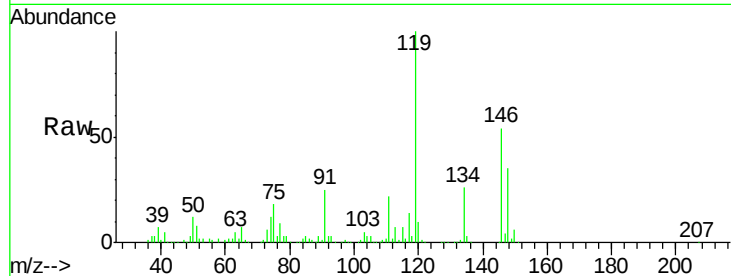
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	185206
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.6	61.8
148	63.9	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.468 ug/l

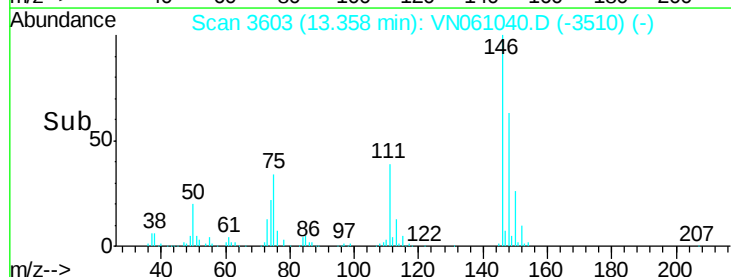
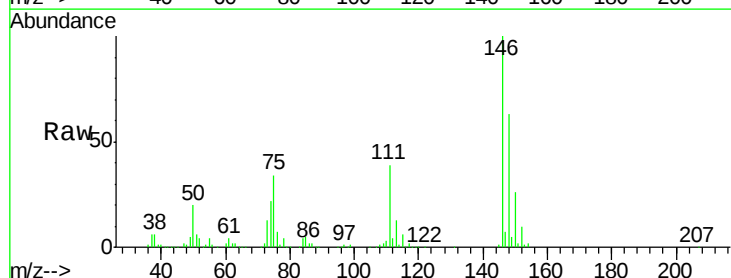
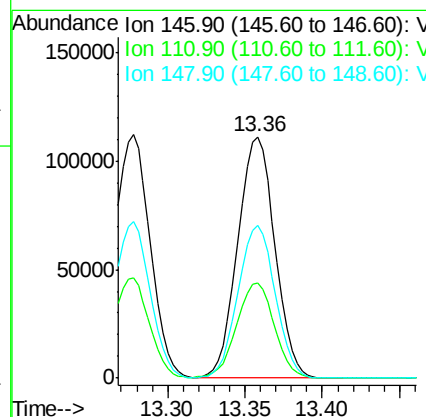
RT: 13.36 min Scan# 3603

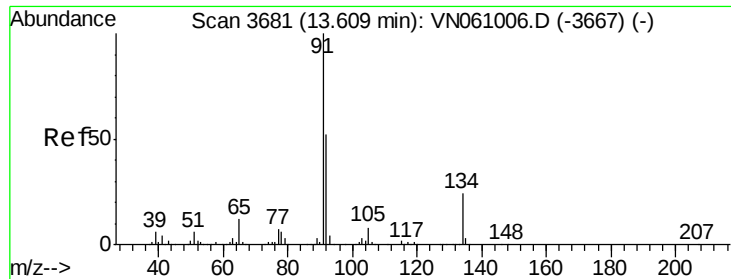
Delta R.T. 0.00 min

Lab File: VN061040.D

Acq: 17 Apr 2020 10:53

Tgt Ion:	146	Resp:	185556
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.1	60.3
148	63.4	32.1	96.3





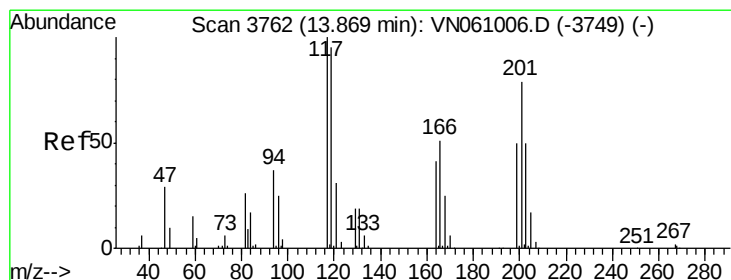
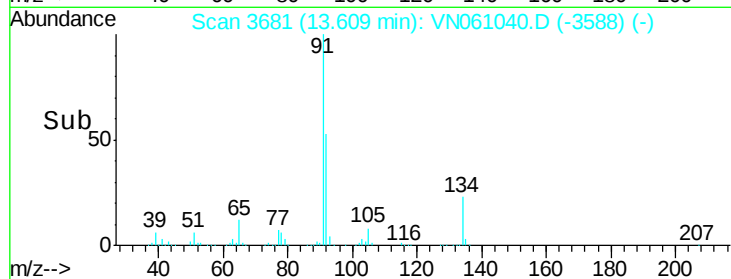
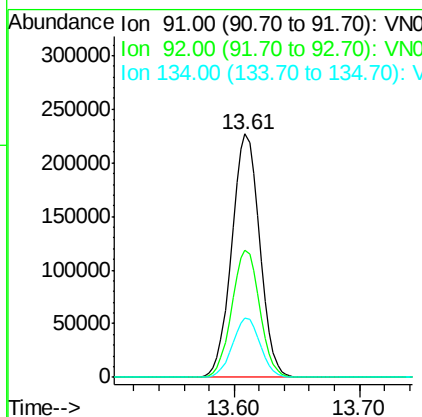
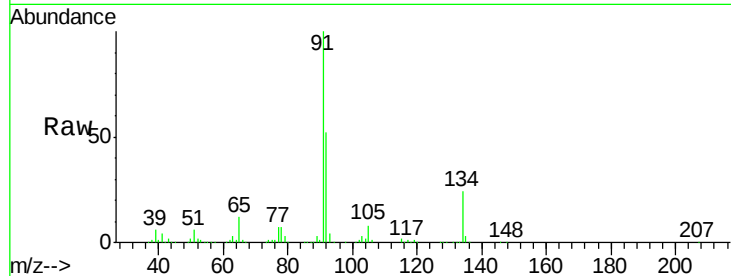
#89
n-Butylbenzene
Concen: 48.079 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	24.3	12.3	36.8

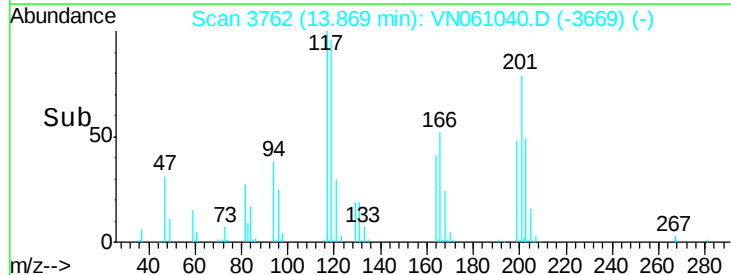
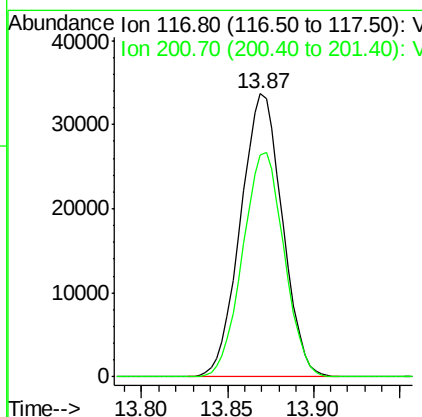
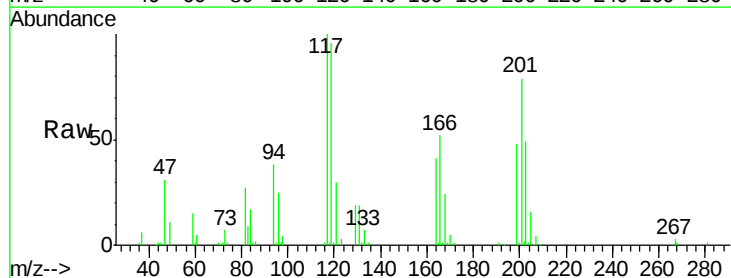
Manual Integrations
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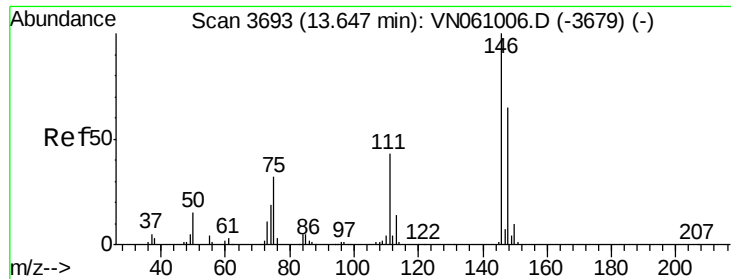
MMDadoda
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#90
Hexachloroethane
Concen: 47.256 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.3	117.9





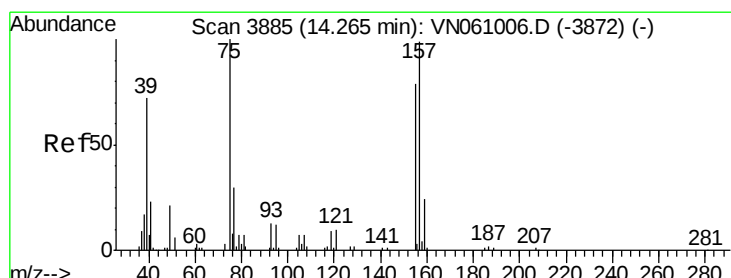
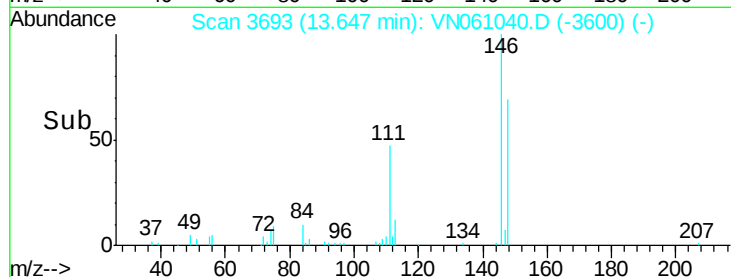
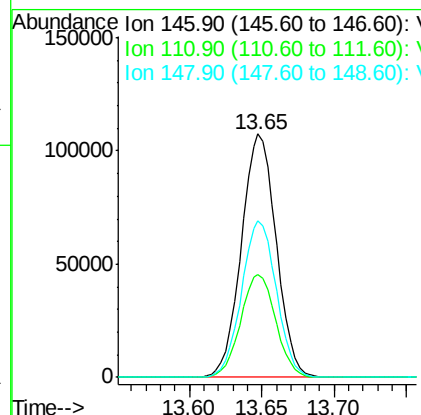
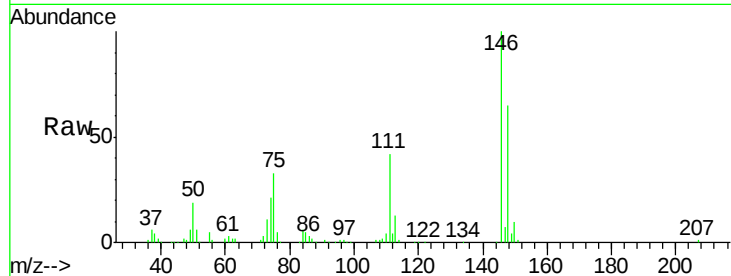
#91
 1,2-Dichlorobenzene
 Concen: 48.303 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	64.0
148	64.4	32.0	96.0

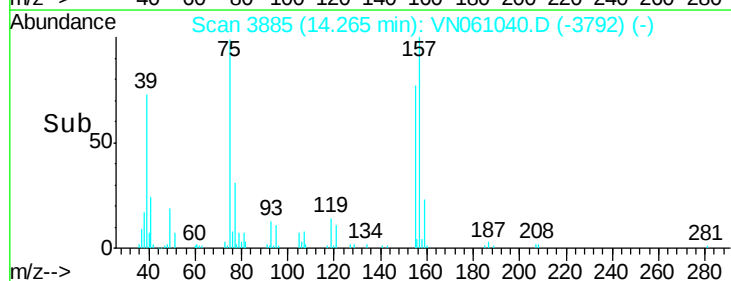
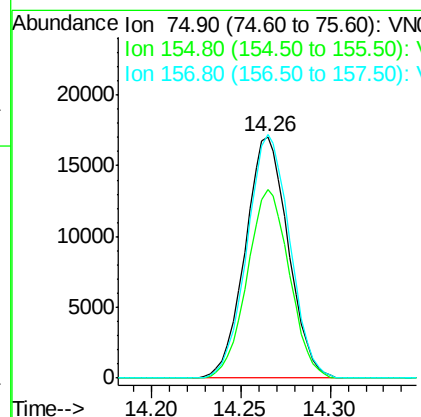
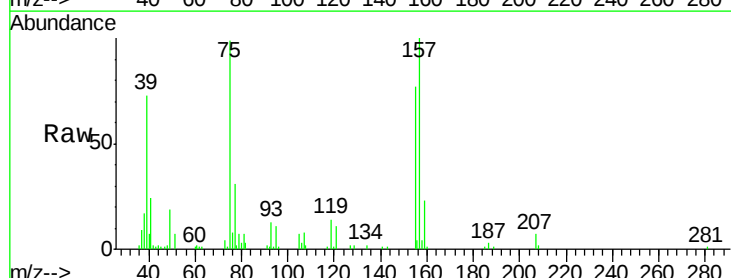
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.080 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	39.5	118.5
157	100.1	50.1	150.4





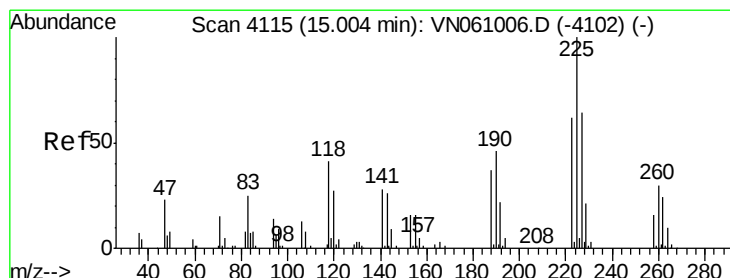
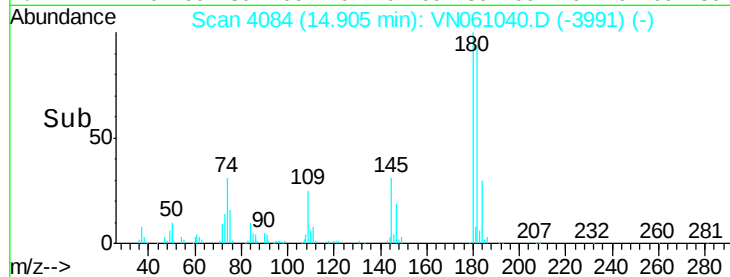
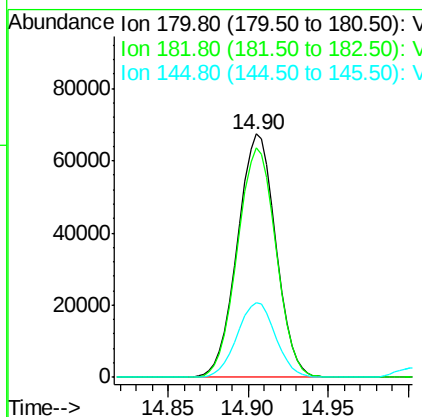
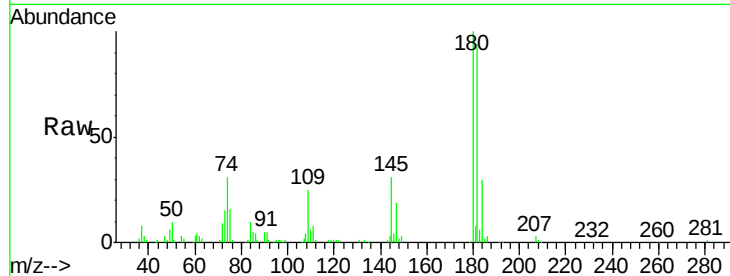
#93
 1,2,4-Trichlorobenzene
 Concen: 50.116 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110007		
182	94.9		47.8	143.3
145	30.8		15.3	45.8

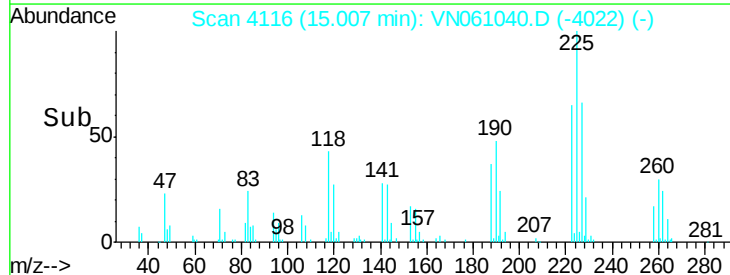
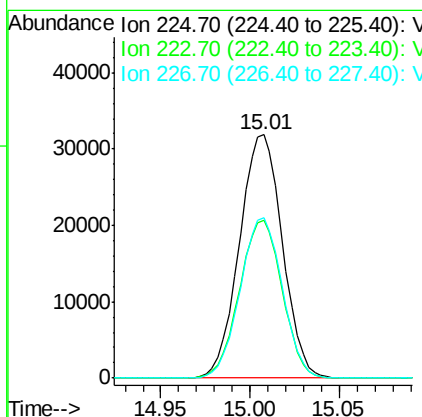
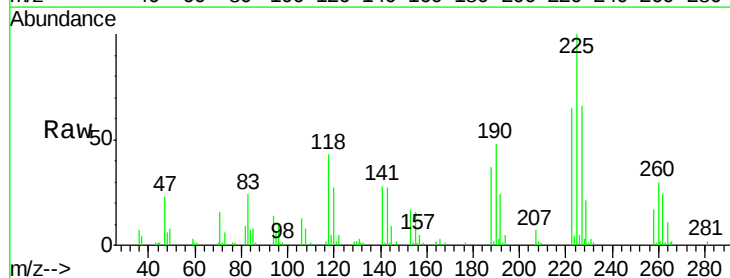
Manual Integrations
 APPROVED

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 4/20/2020 10:20:11 AM



#94
 Hexachlorobutadiene
 Concen: 47.358 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061040.D
 Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53477		
223	64.4		31.3	93.8
227	64.5		31.9	95.5





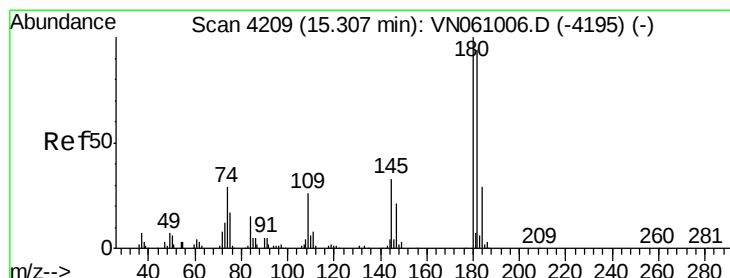
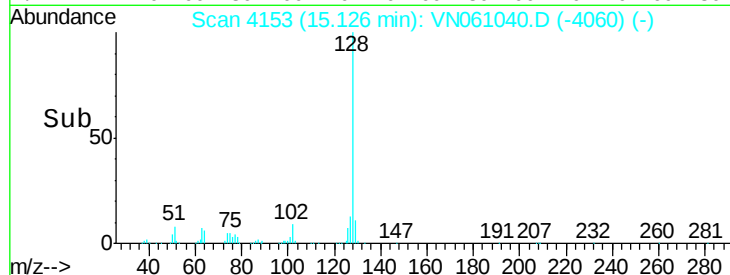
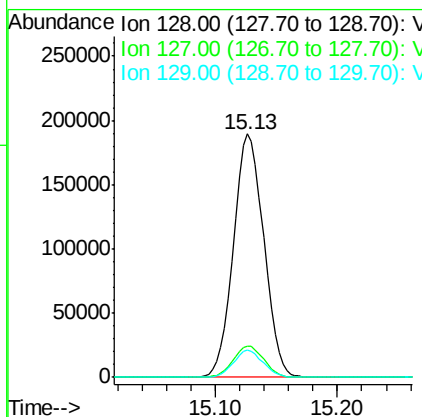
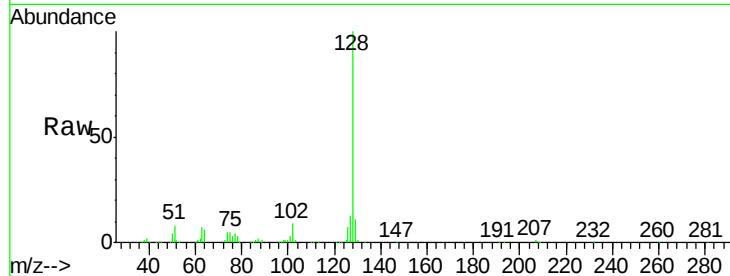
#95
Naphthalene
Concen: 50.995 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 49.934 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061040.D
Acq: 17 Apr 2020 10:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.8
145	32.0	16.4	49.2

