

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060388.D
 Acq On : 6 Mar 2020 18:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 11:41:30 AM

Quant Time: Mar 07 04:20:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	328214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123373	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.56	113	88946	58.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.76%	
50) Toluene-d8	10.08	98	362022	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	12.40	95	141547	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	73603	40.870	ug/l	100
3) Chloromethane	2.03	50	135733	43.290	ug/l	99
4) Vinyl Chloride	2.16	62	111566	41.490	ug/l	99
5) Bromomethane	2.54	94	41216	37.477	ug/l	97
6) Chloroethane	2.68	64	61295	42.071	ug/l	98
7) Trichlorofluoromethane	3.00	101	146049	42.510	ug/l	100
8) Diethyl Ether	3.38	74	58285	44.932	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84299	43.356	ug/l	99
10) Methyl Iodide	3.93	142	70868	39.936	ug/l	99
11) Tert butyl alcohol	4.73	59	90303	241.314	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	82933	43.938	ug/l	97
13) Acrolein	3.57	56	97981	280.662	ug/l	100
14) Allyl chloride	4.29	41	147223	42.312	ug/l	92
15) Acrylonitrile	4.94	53	252365	255.856	ug/l	99
16) Acetone	3.78	43	201378	247.442	ug/l	100
17) Carbon Disulfide	4.03	76	210540	41.928	ug/l	100
18) Methyl Acetate	4.29	43	130991	48.231	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	319132	46.578	ug/l	99
20) Methylene Chloride	4.52	84	99017	44.302	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	90971	44.824	ug/l	98
22) Diisopropyl ether	5.91	45	341267	48.421	ug/l	97
23) Vinyl Acetate	5.86	43	1366962	244.079	ug/l	99
24) 1,1-Dichloroethane	5.82	63	188527	47.255	ug/l	100
25) 2-Butanone	6.80	43	336221	255.770	ug/l	100
26) 2,2-Dichloropropane	6.80	77	163099	44.906	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	111493	43.020	ug/l	98
28) Bromochloromethane	7.17	49	79773	48.700	ug/l	96
29) Tetrahydrofuran	7.18	42	227055	248.390	ug/l	98
30) Chloroform	7.35	83	187003	47.086	ug/l	100
31) Cyclohexane	7.63	56	158700	46.521	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	164564	46.767	ug/l	100
36) 1,1-Dichloropropene	7.77	75	135637	43.362	ug/l	99
37) Ethyl Acetate	6.89	43	145080	48.983	ug/l	100
38) Carbon Tetrachloride	7.75	117	135486	44.487	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152277	41.289	ug/l	97
40) Benzene	8.02	78	411926	45.245	ug/l	99
41) Methacrylonitrile	7.14	41	57831m	42.286	ug/l	
42) 1,2-Dichloroethane	8.10	62	151555	46.130	ug/l	100
43) Isopropyl Acetate	8.14	43	254305	49.044	ug/l	99
44) Trichloroethene	8.82	130	111406	43.936	ug/l	100
45) 1,2-Dichloropropane	9.10	63	113483	47.675	ug/l	99
46) Dibromomethane	9.19	93	70356	45.552	ug/l	99
47) Bromodichloromethane	9.39	83	149412	47.563	ug/l	99
48) Methyl methacrylate	9.18	41	111040	46.961	ug/l	100
49) 1,4-Dioxane	9.18	88	30941	930.504	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	745328	253.518	ug/l	99
52) Toluene	10.14	92	258310	45.167	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	174271	45.275	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	183255	45.945	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	104473	45.426	ug/l	98
56) Ethyl methacrylate	10.42	69	163769	49.565	ug/l	98
57) 1,3-Dichloropropane	10.70	76	177121	47.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	429796	248.714	ug/l	98
59) 2-Hexanone	10.74	43	540055	250.190	ug/l	100
60) Dibromochloromethane	10.89	129	113794	48.653	ug/l	99
61) 1,2-Dibromoethane	10.99	107	106255	47.394	ug/l	98
64) Tetrachloroethene	10.62	164	116404	47.732	ug/l	99
65) Chlorobenzene	11.43	112	273489	43.787	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	105778	45.803	ug/l	100
67) Ethyl Benzene	11.50	91	506487	44.529	ug/l	100
68) m/p-Xylenes	11.62	106	374704	87.314	ug/l	100
69) o-Xylene	11.94	106	181583	44.372	ug/l	100
70) Styrene	11.96	104	305688	45.434	ug/l	100
71) Bromoform	12.12	173	81029	48.683	ug/l #	99
73) Isopropylbenzene	12.24	105	493581	43.558	ug/l	100
74) N-amyl acetate	12.06	43	228023	46.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	145209	47.142	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	137404m	40.963	ug/l	
77) Bromobenzene	12.52	156	120228	43.283	ug/l	98
78) n-propylbenzene	12.59	91	574771	43.272	ug/l	100
79) 2-Chlorotoluene	12.67	91	339786	43.518	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	417464	43.756	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	55906	46.009	ug/l #	85
82) 4-Chlorotoluene	12.77	91	357129	43.413	ug/l	99
83) tert-Butylbenzene	12.99	119	351600	42.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	419332	43.545	ug/l	99
85) sec-Butylbenzene	13.17	105	471472	42.623	ug/l	99
86) p-Isopropyltoluene	13.28	119	422735	41.290	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	215649	45.163	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	214473	45.158	ug/l	99
89) n-Butylbenzene	13.61	91	381163	40.556	ug/l	100
90) Hexachloroethane	13.87	117	60659	40.932	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	208903	42.921	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31216	44.752	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132405	42.825	ug/l	100
94) Hexachlorobutadiene	15.01	225	60360	42.370	ug/l	100
95) Naphthalene	15.13	128	405004	44.430	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125789	43.163	ug/l	99

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

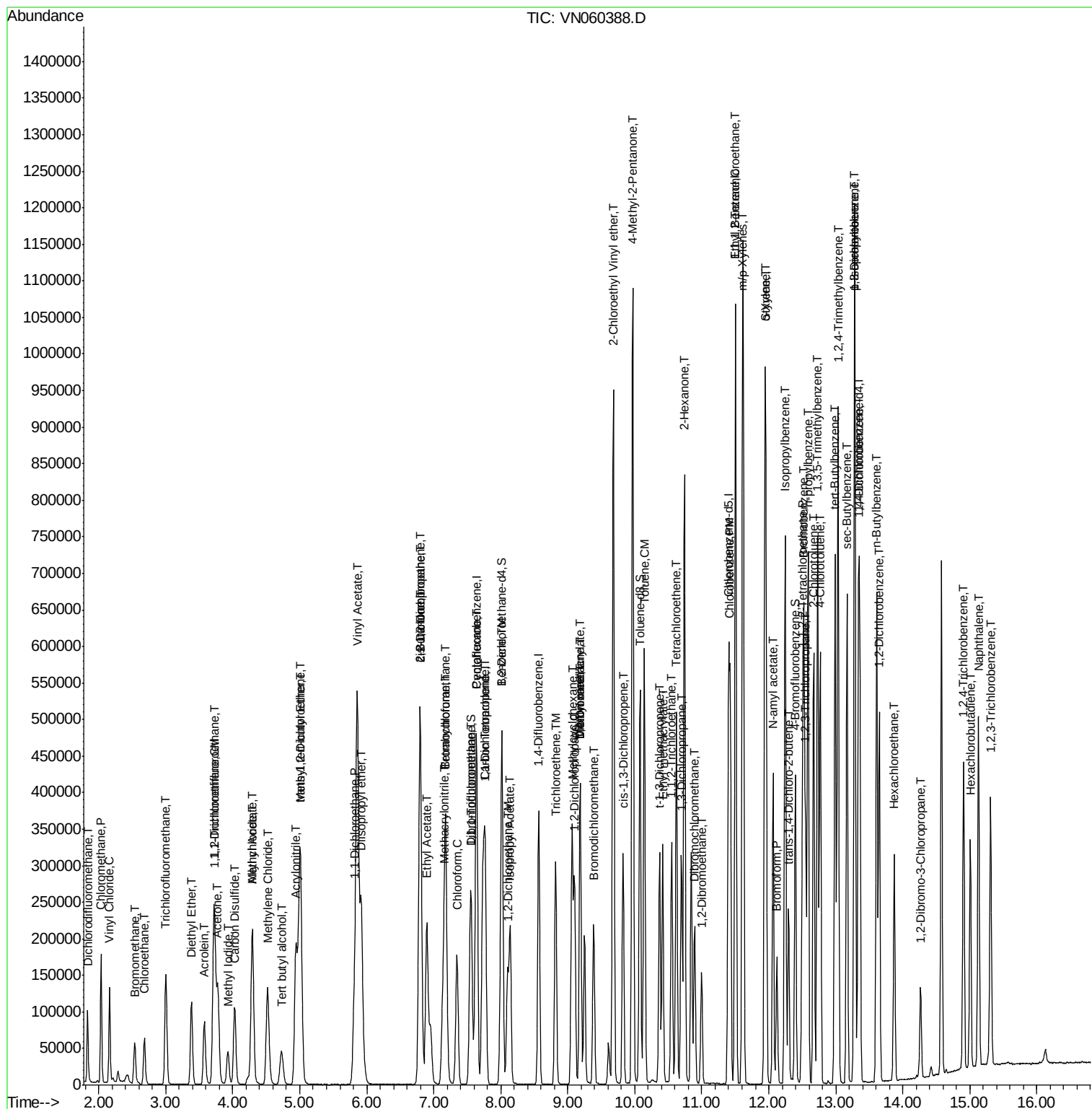
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030620\
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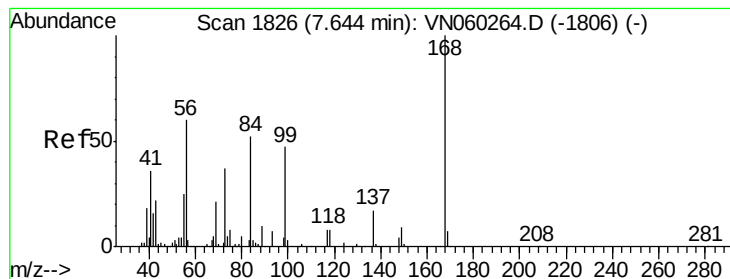
Instrument :
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 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 196426

Ion Ratio Lower Upper

168 100

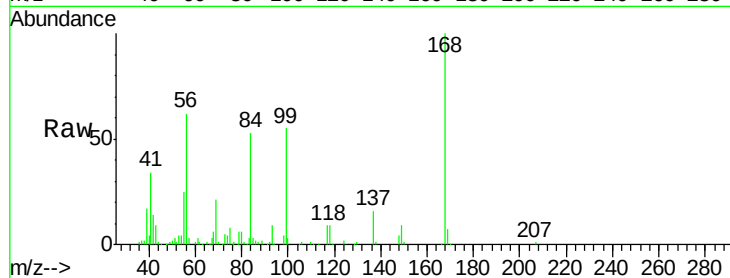
99 55.4 44.7 67.1

Manual Integrations

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3/9/2020 11:41:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

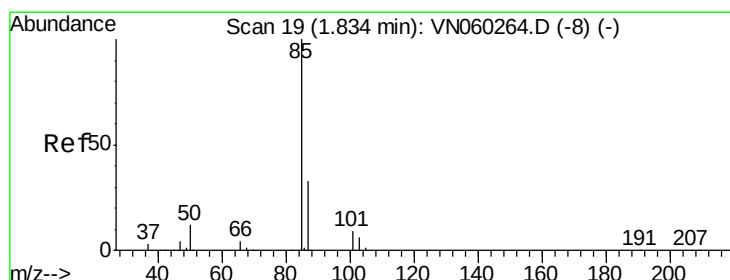
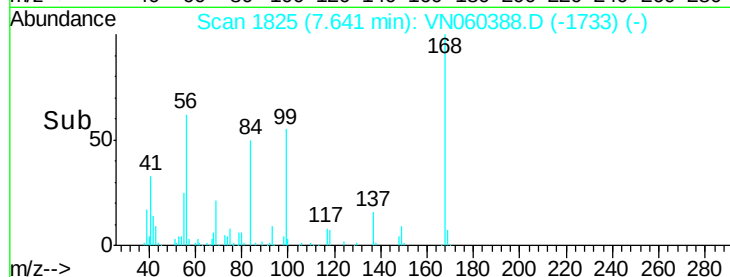
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.870 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060388.D

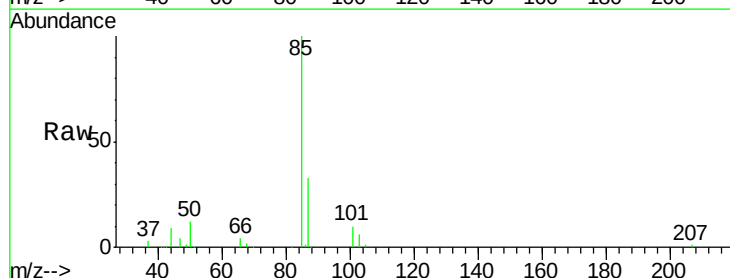
Acq: 6 Mar 2020 18:07

Tgt Ion: 85 Resp: 73603

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

30000

20000

10000

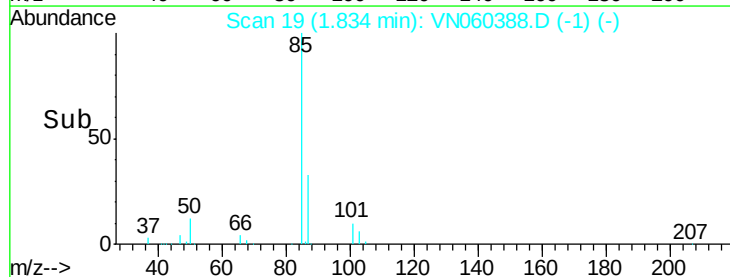
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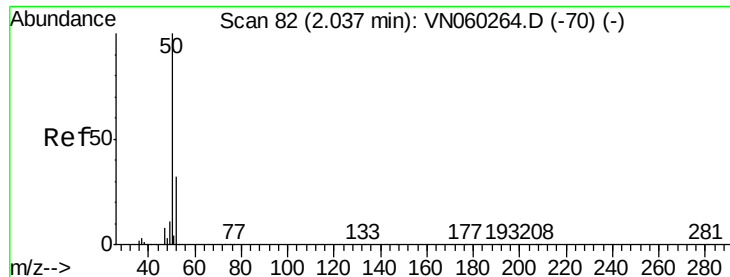
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 43.290 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 135733

Ion Ratio Lower Upper

50 100

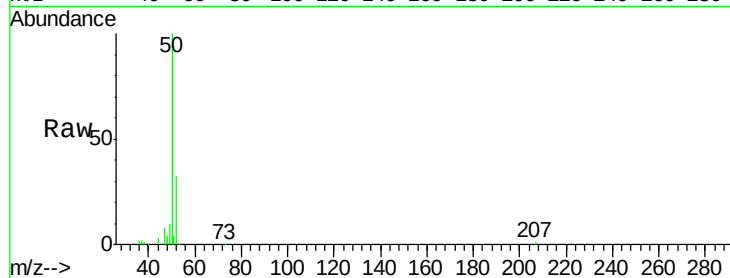
52 32.4 25.6 38.4

Manual Integrations

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3/9/2020 11:41:30 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

120000

100000

80000

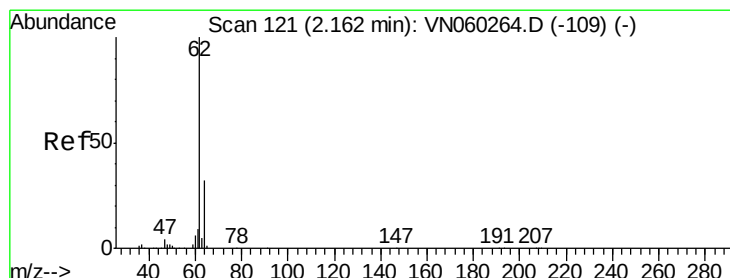
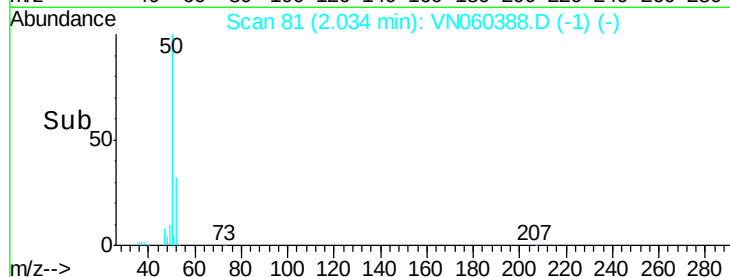
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 41.490 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060388.D

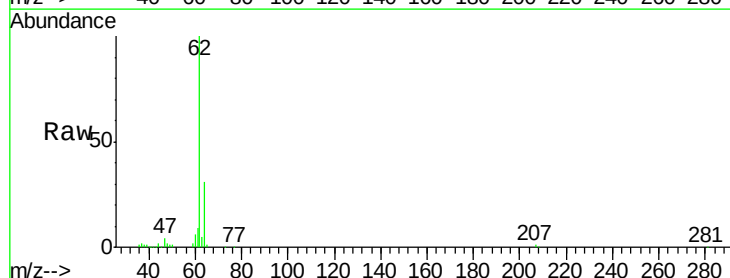
Acq: 6 Mar 2020 18:07

Tgt Ion: 62 Resp: 111566

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

80000

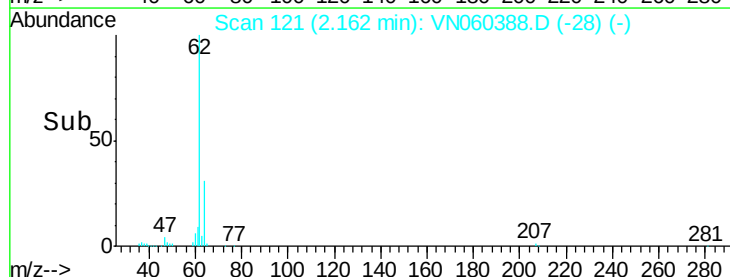
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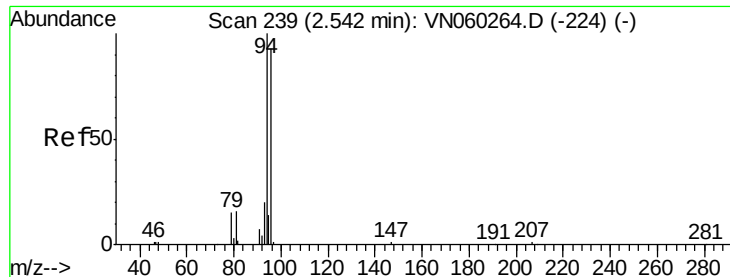
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 37.477 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 41216

Ion Ratio Lower Upper

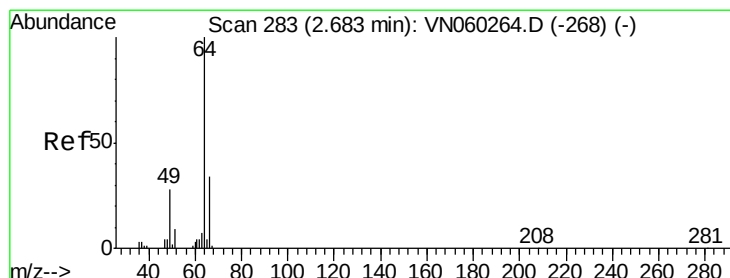
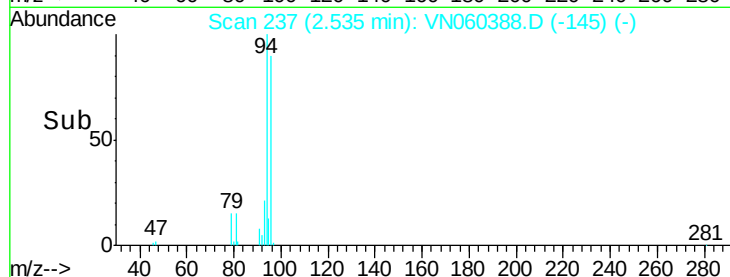
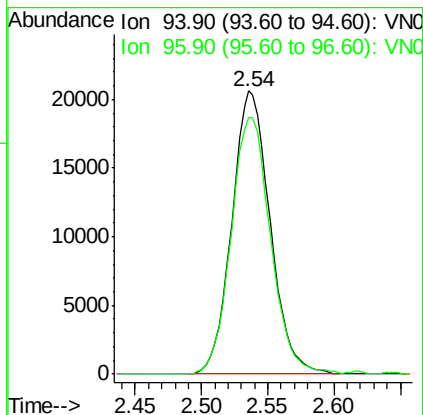
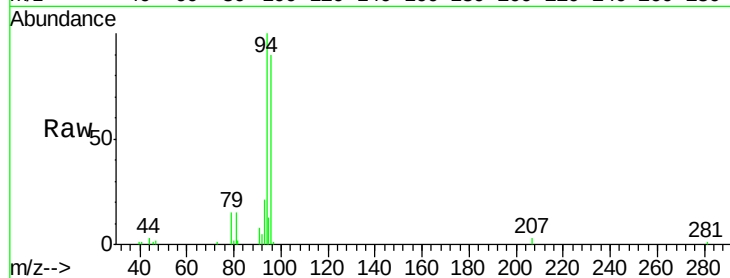
94 100

96 90.5 74.3 111.5

Manual Integrations
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3/9/2020 11:41:30 AM



#6

Chloroethane

Concen: 42.071 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060388.D

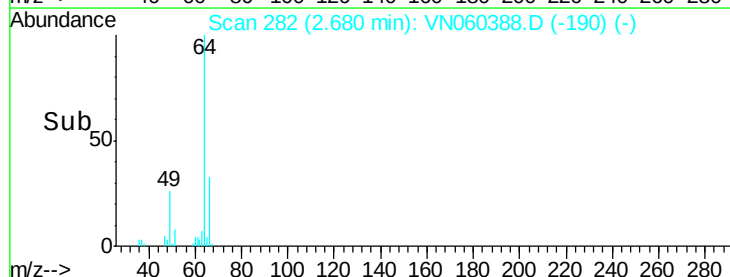
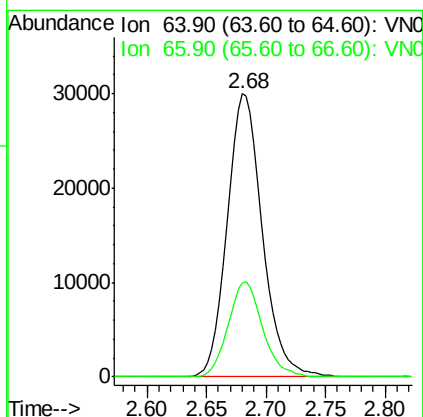
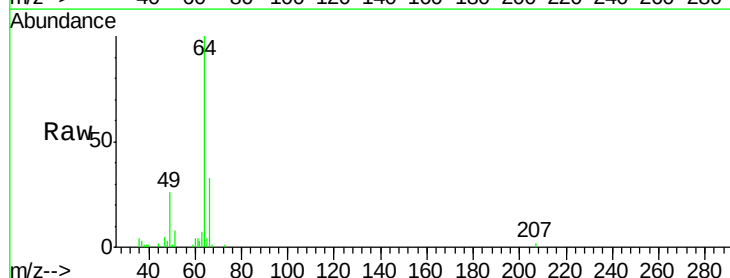
Acq: 6 Mar 2020 18:07

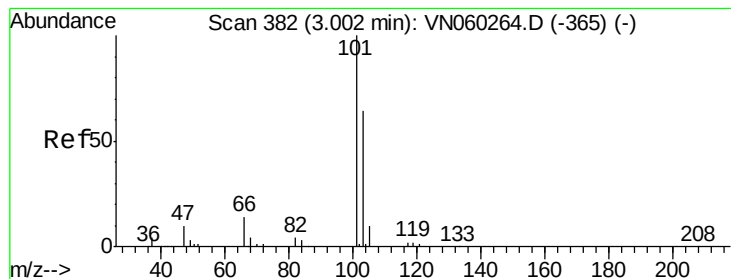
Tgt Ion: 64 Resp: 61295

Ion Ratio Lower Upper

64 100

66 33.3 27.4 41.2





#7

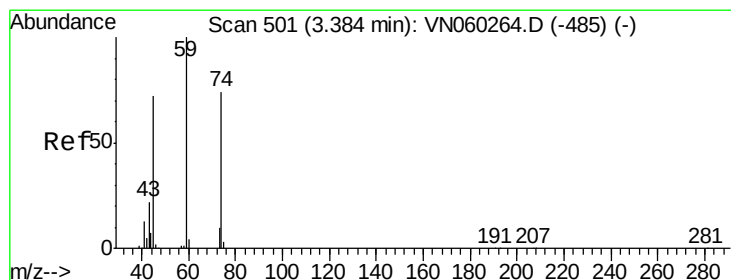
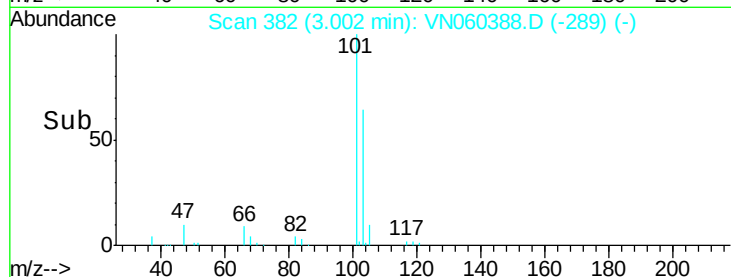
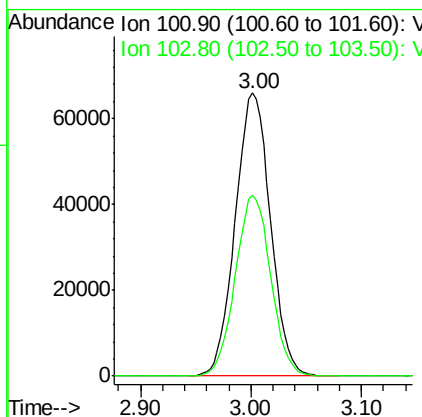
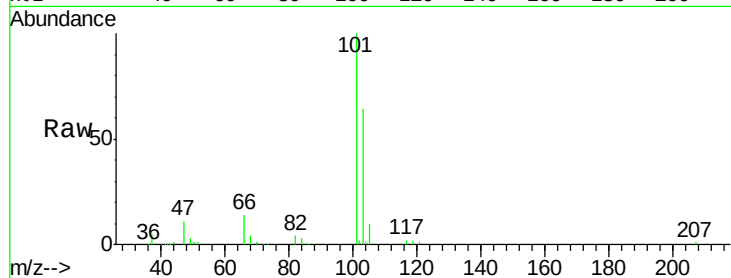
Trichlorofluoromethane
Concen: 42.510 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		146049		
103	63.8	51.3	76.9		

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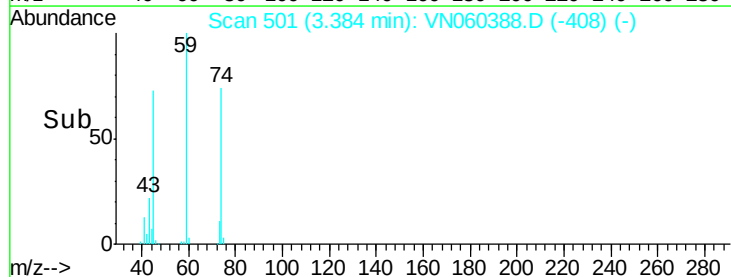
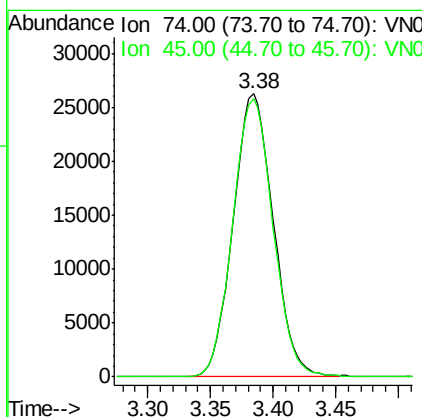
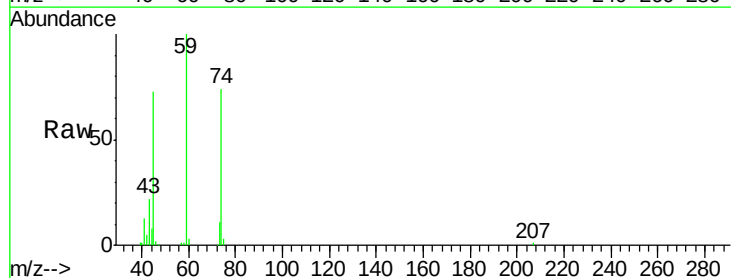
MMDadoda
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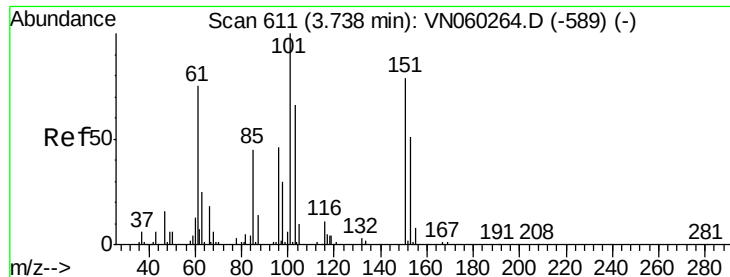


#8

Diethyl Ether
Concen: 44.932 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		58285		
45	98.9	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.356 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060388.D

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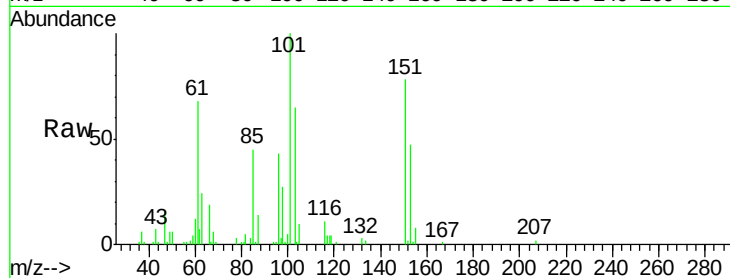
ClientSampleId :

VSTDCCC050EC

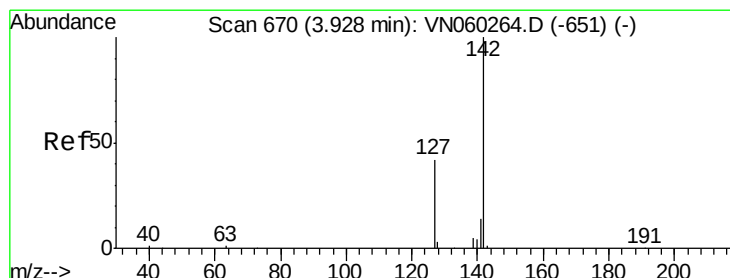
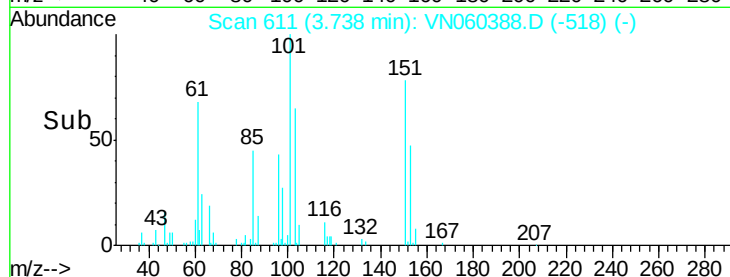
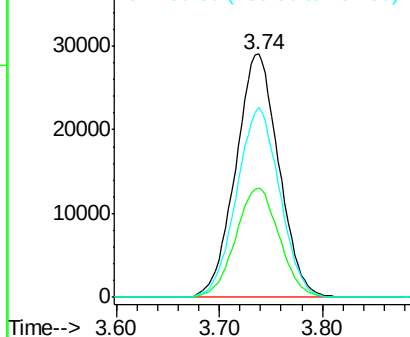
Tot Ion:	101	Resp:	84299
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.4	53.2
151	77.9	62.0	93.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.936 ug/l

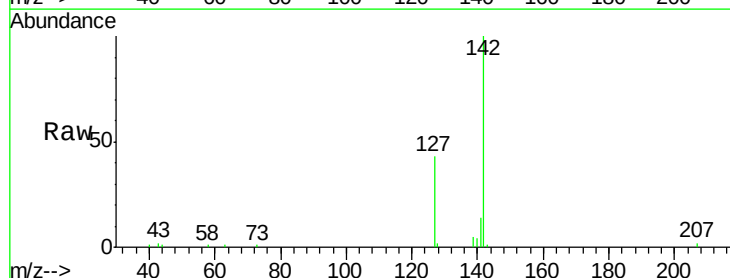
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

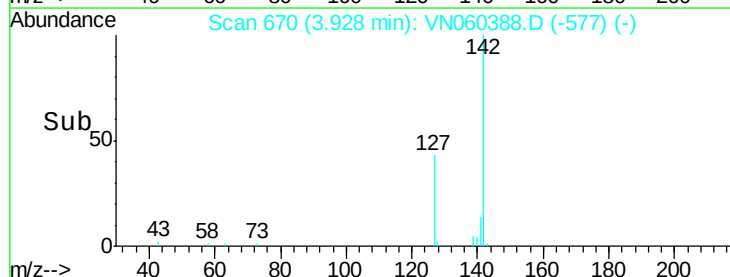
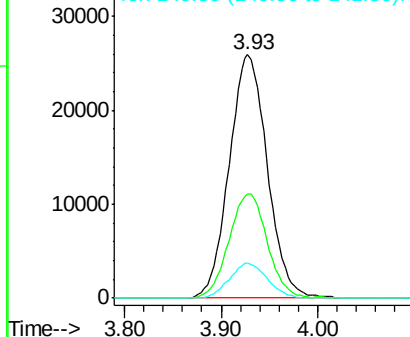
Lab File: VN060388.D

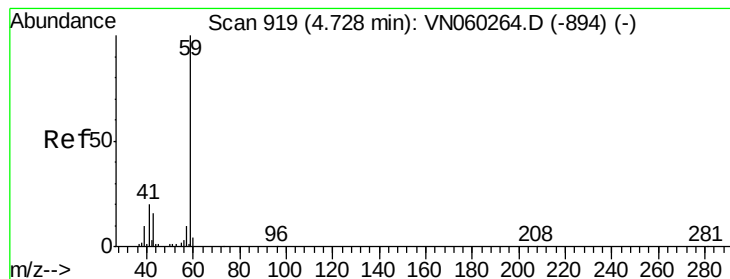
Acq: 6 Mar 2020 18:07

Tgt Ion:	142	Resp:	70868
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.8	50.6
141	14.1	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

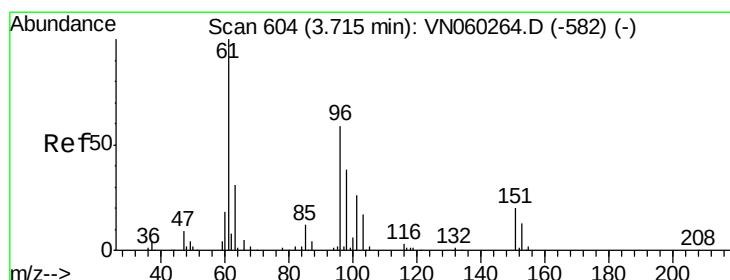
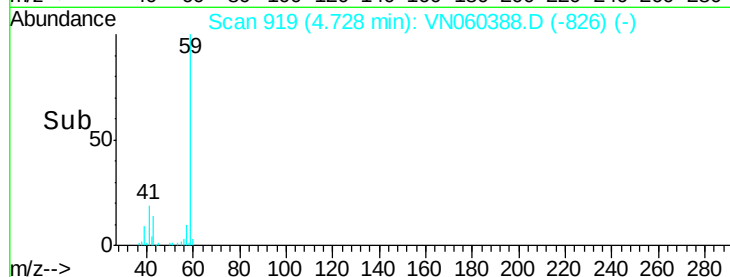
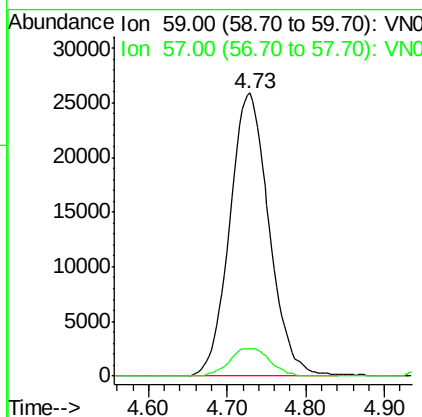
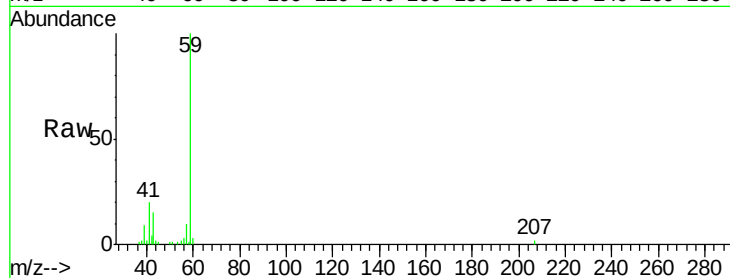
Tert butyl alcohol
 Concen: 241.314 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.2	12.2#

Manual Integrations
 APPROVED

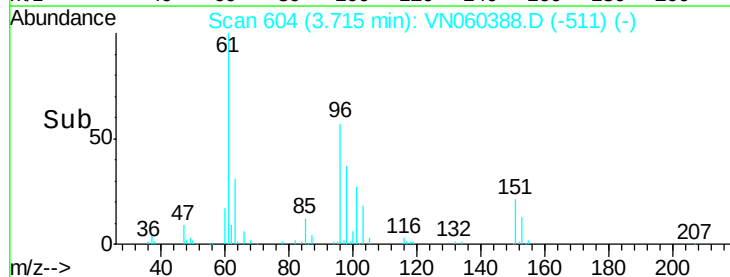
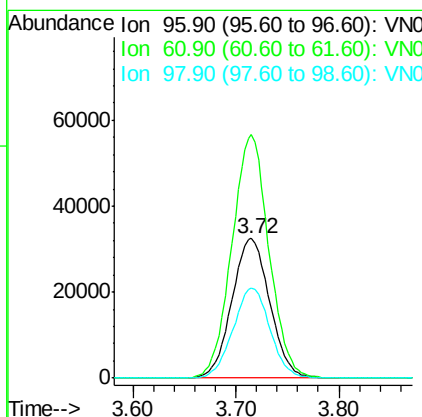
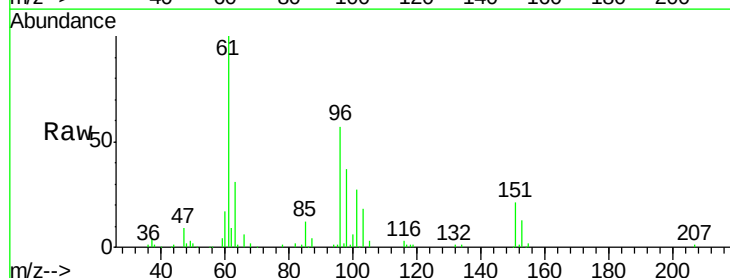
MMDadoda
 3/9/2020 11:41:30 AM

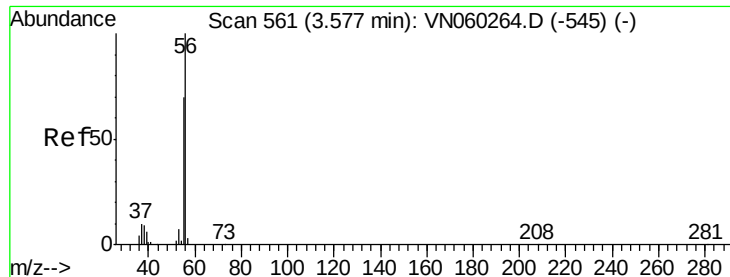


#12

1,1-Dichloroethene
 Concen: 43.938 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.6	135.4	203.0
98	64.4	51.6	77.4





#13

Acrolein

Concen: 280.662 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 97981

Ion Ratio Lower Upper

56 100

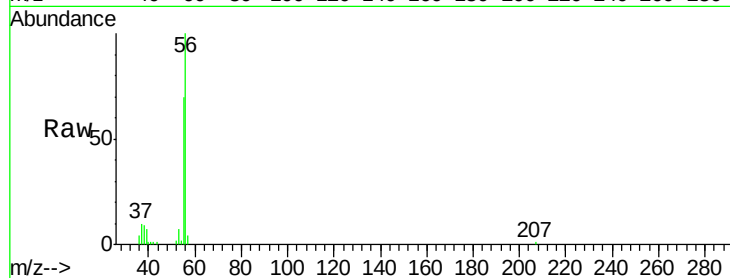
55 71.4 57.4 86.0

Manual Integrations

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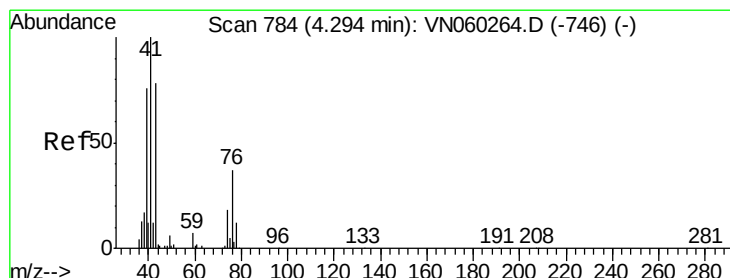
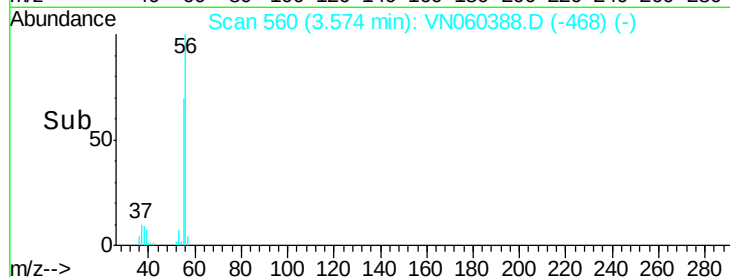
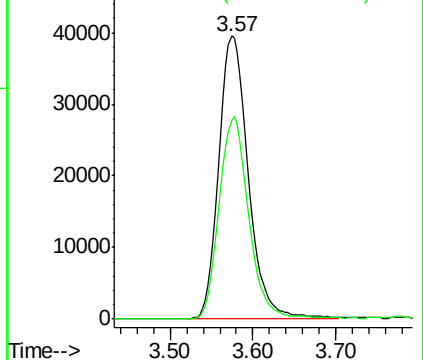
MMDadoda

3/9/2020 11:41:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.312 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

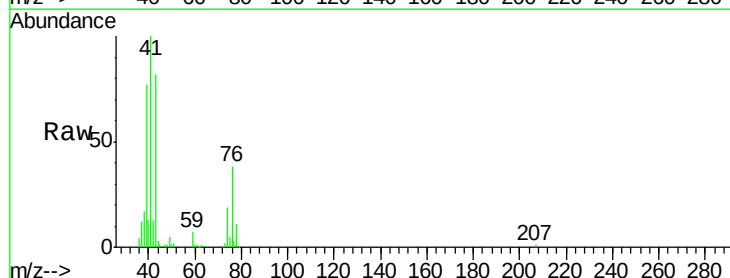
Tgt Ion: 41 Resp: 147223

Ion Ratio Lower Upper

41 100

39 77.0 55.4 83.2

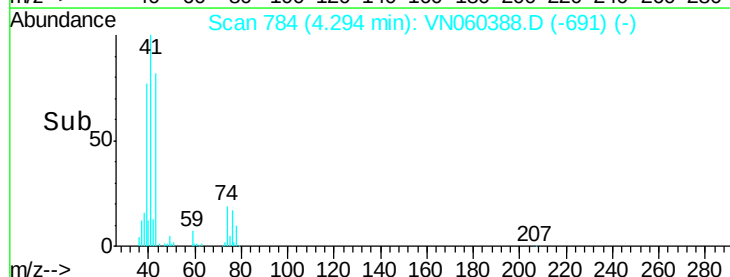
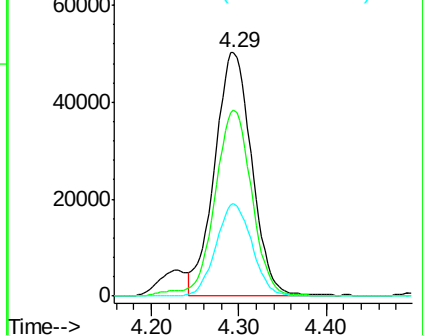
76 36.8 27.0 40.6

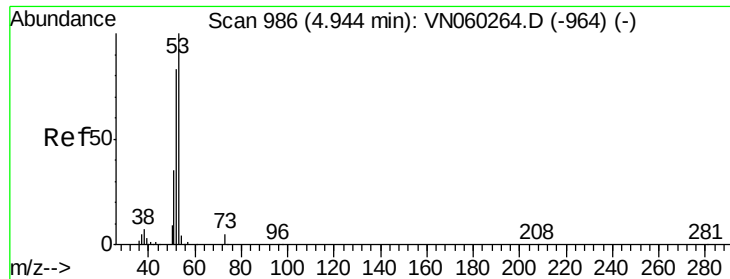


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 255.856 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

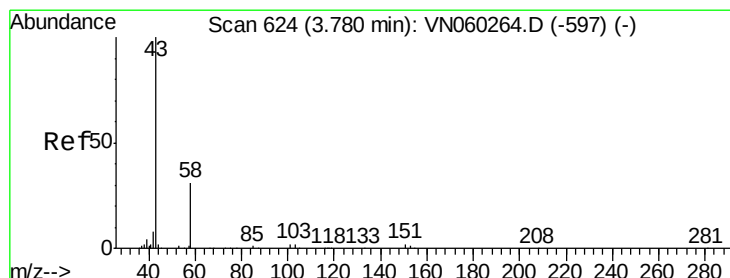
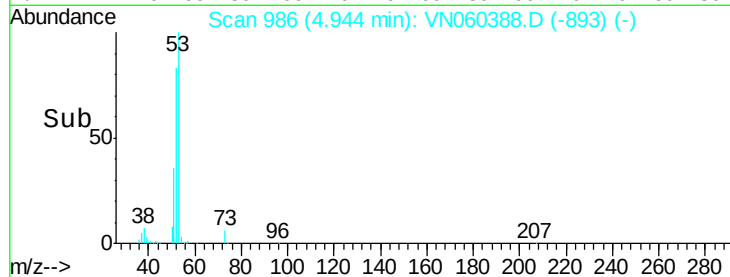
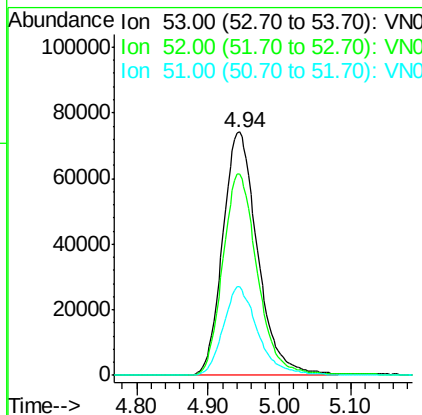
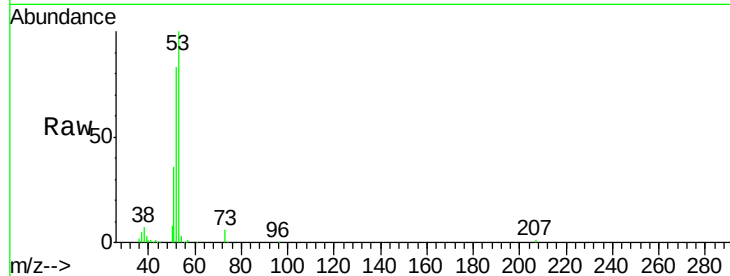
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	252365
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.8	100.2
51	36.1	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 247.442 ug/l

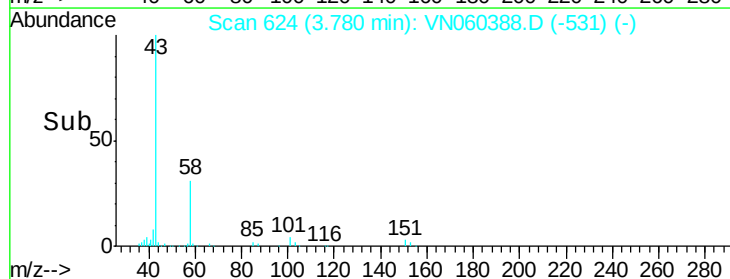
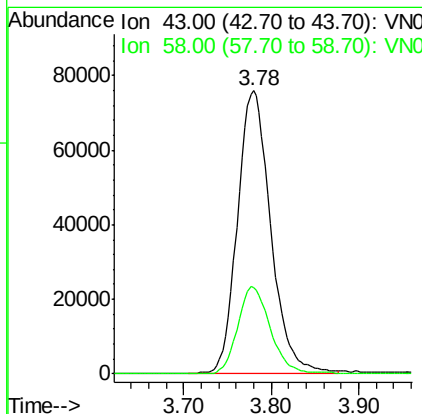
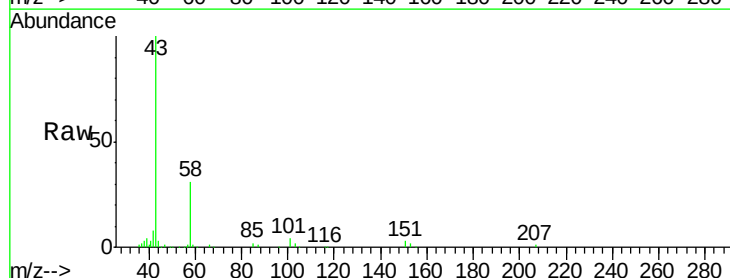
RT: 3.78 min Scan# 624

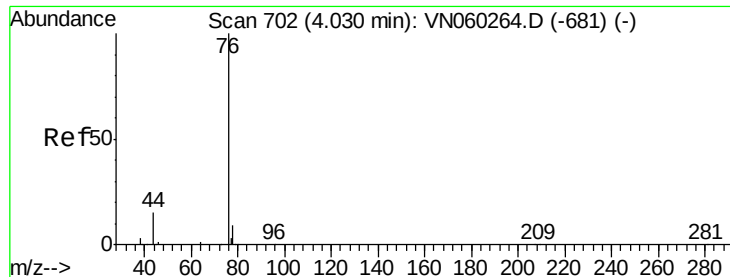
Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion:	43	Resp:	201378
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	36.8





#17

Carbon Disulfide

Concen: 41.928 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 210540

Ion Ratio Lower Upper

76 100

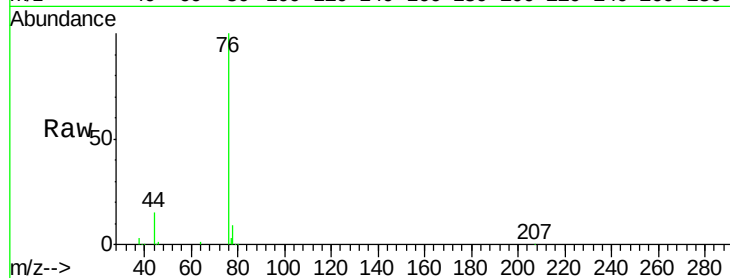
78 9.2 7.4 11.0

Manual Integrations

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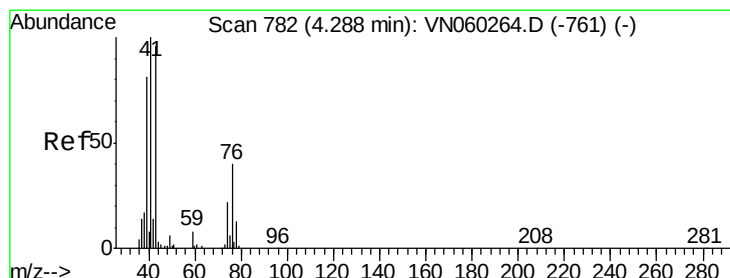
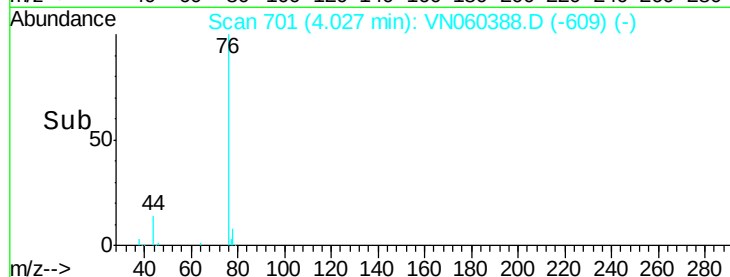
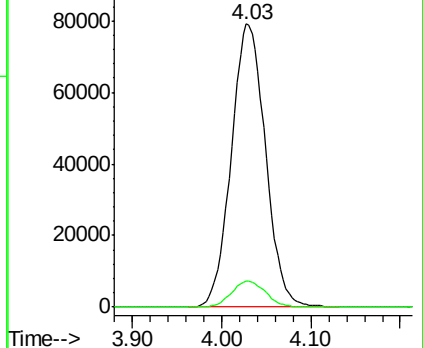
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3/9/2020 11:41:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 48.231 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060388.D

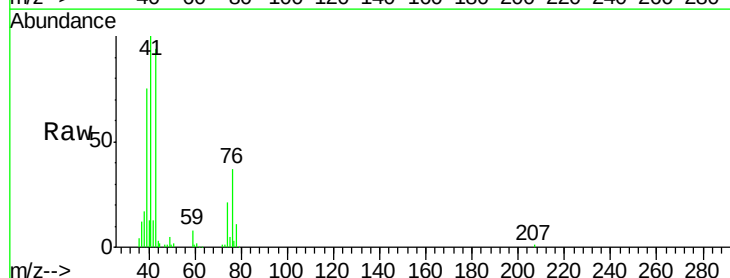
Acq: 6 Mar 2020 18:07

Tgt Ion: 43 Resp: 130991

Ion Ratio Lower Upper

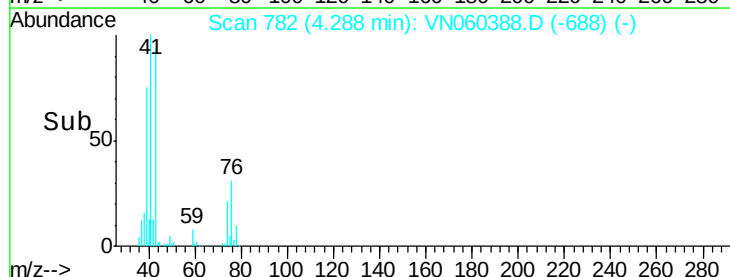
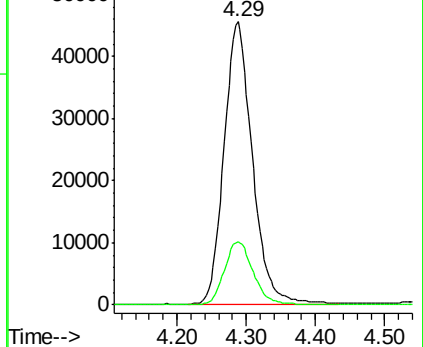
43 100

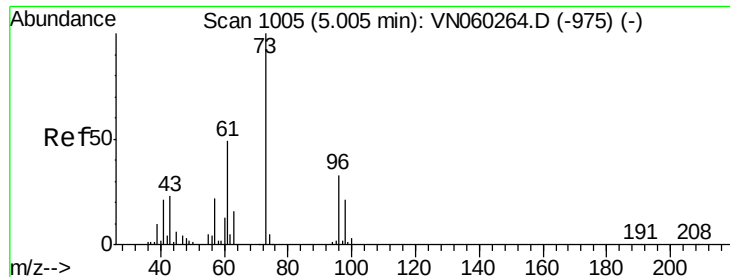
74 22.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





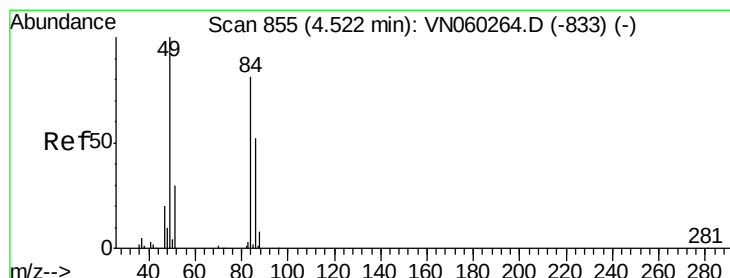
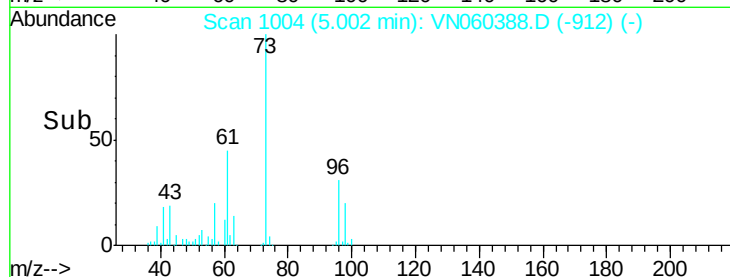
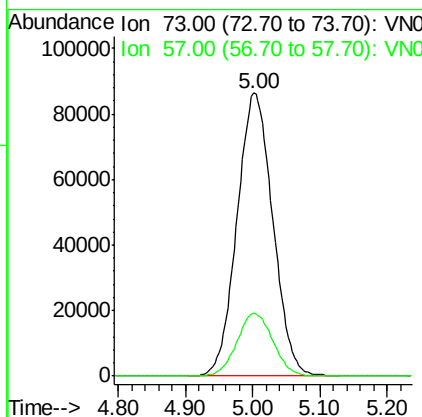
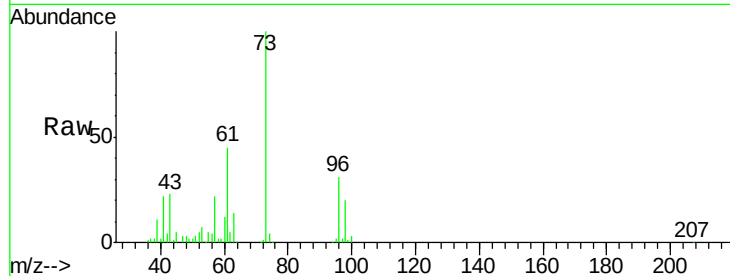
#19
Methvl tert-butvl Ether
Concen: 46.578 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 319132
Ion Ratio Lower Upper
73 100
57 22.2 17.3 25.9

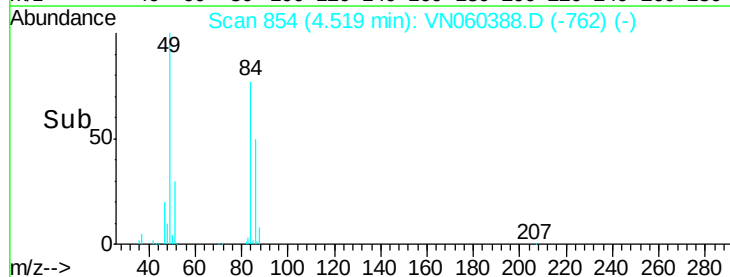
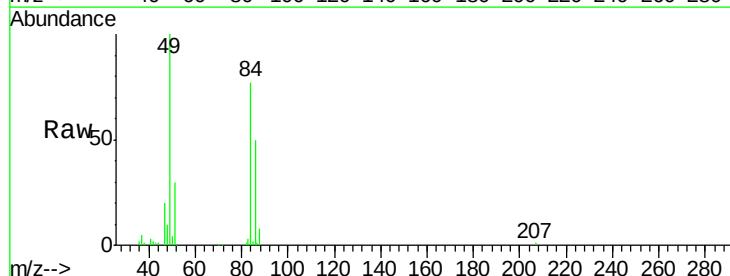
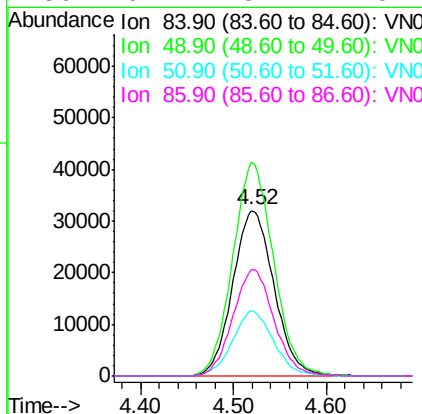
Manual Integrations
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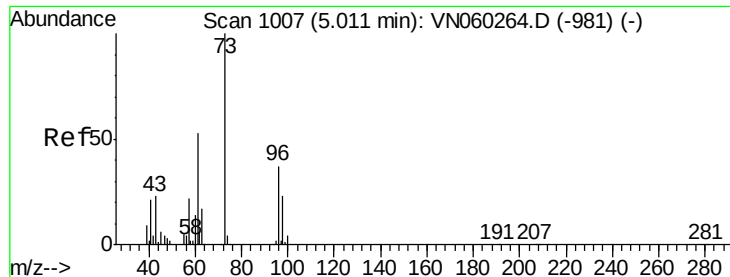
MMDadoda
3/9/2020 11:41:30 AM



#20
Methylene Chloride
Concen: 44.302 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion: 84 Resp: 99017
Ion Ratio Lower Upper
84 100
49 129.3 99.3 148.9
51 39.2 30.1 45.1
86 64.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 44.824 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 90971

Ion Ratio Lower Upper

96 100

61 144.7 113.8 170.8

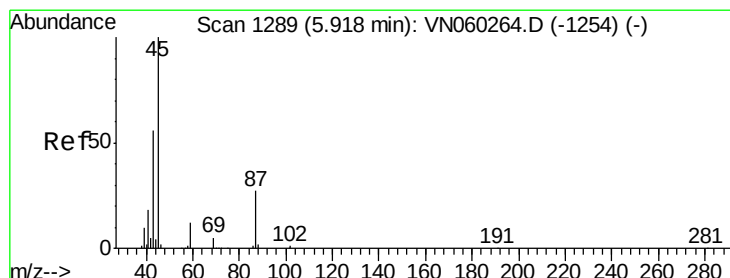
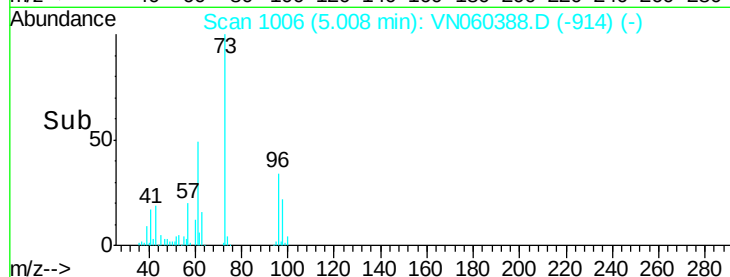
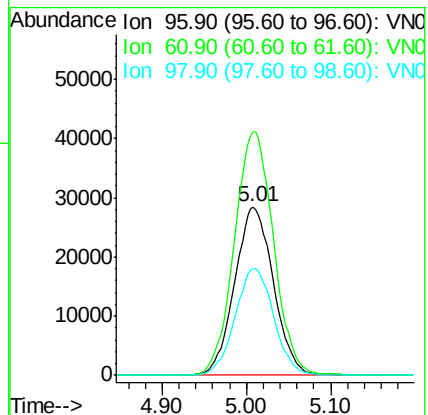
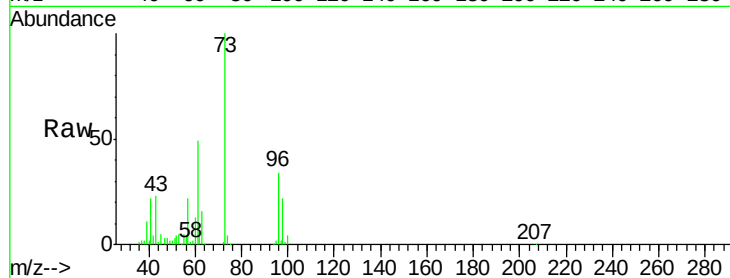
98 63.7 48.8 73.2

Manual Integrations

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3/9/2020 11:41:30 AM



#22

Diisopropyl ether

Concen: 48.421 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion: 45 Resp: 341267

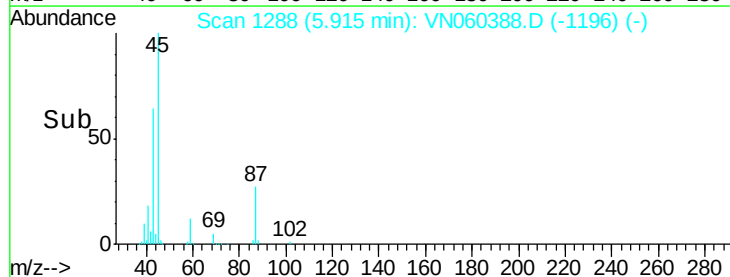
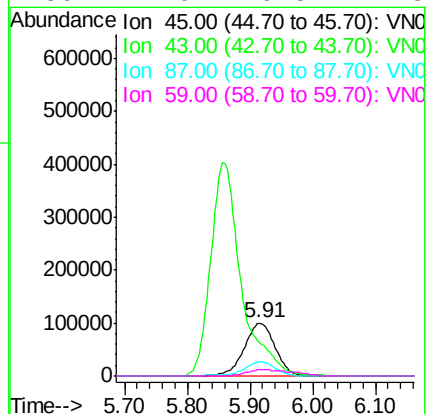
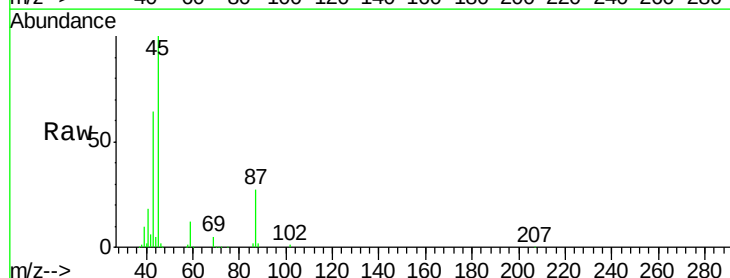
Ion Ratio Lower Upper

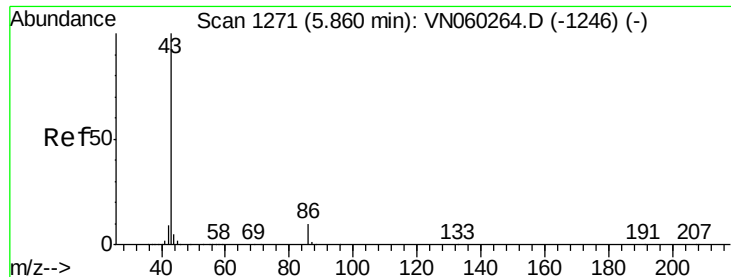
45 100

43 63.6 48.6 72.8

87 26.8 22.2 33.2

59 12.0 9.5 14.3





#23

Vinyl Acetate

Concen: 244.079 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1366962

Ion Ratio Lower Upper

43 100

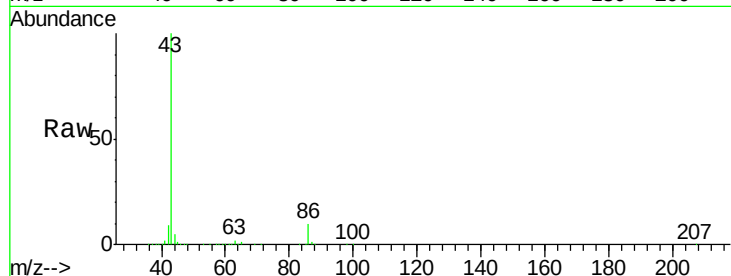
86 9.7 8.0 12.0

Manual Integrations

APPROVED

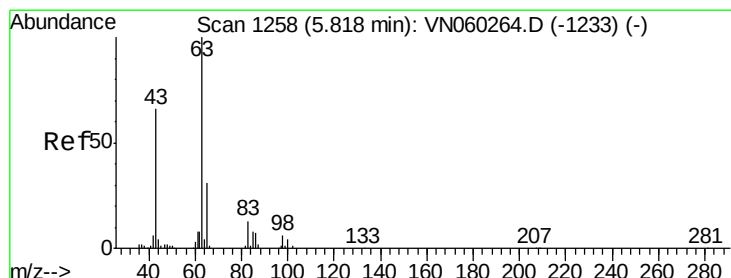
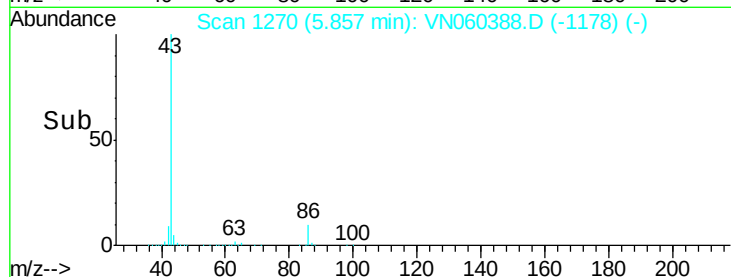
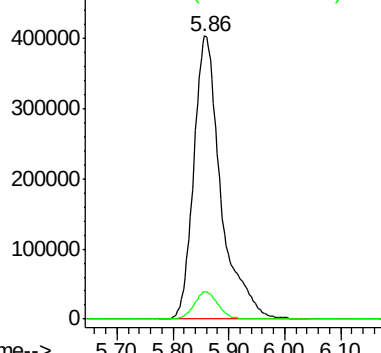
MMDadoda

3/9/2020 11:41:30 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: 47.255 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

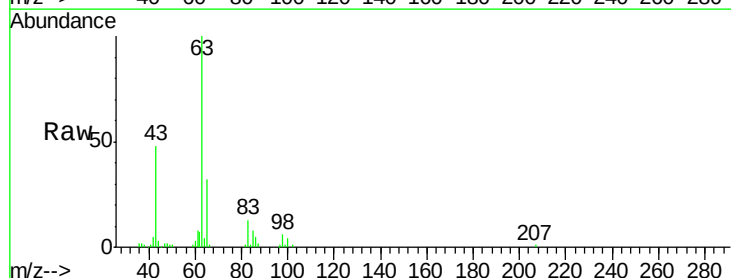
Tgt Ion: 63 Resp: 188527

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

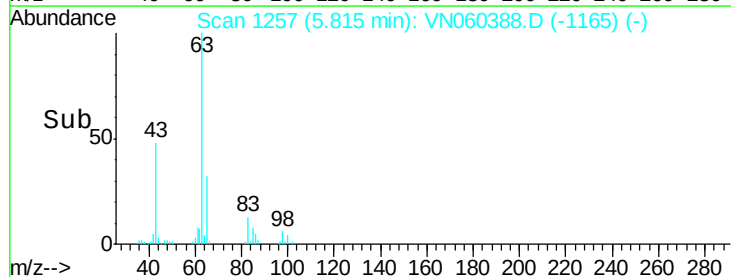
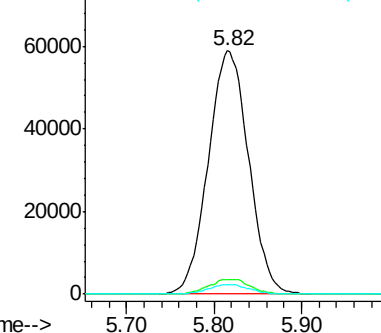
100 3.7 2.0 6.0

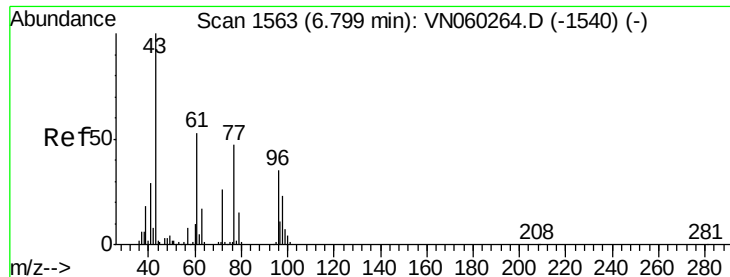


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 255.770 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tot Ion: 43 Resp: 336221

Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3

Instrument :

MSVOA_N

ClientSampleId :

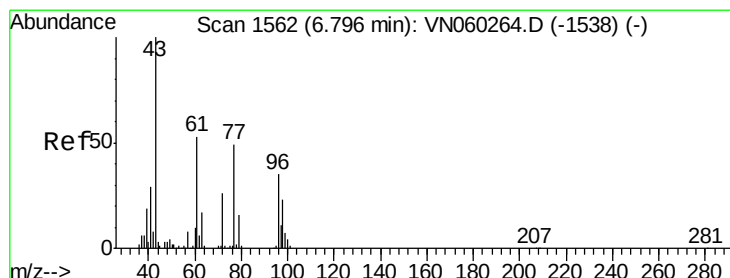
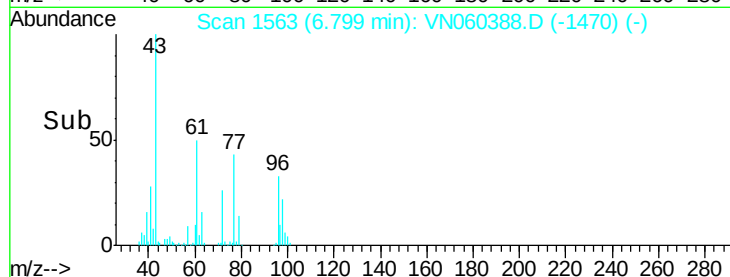
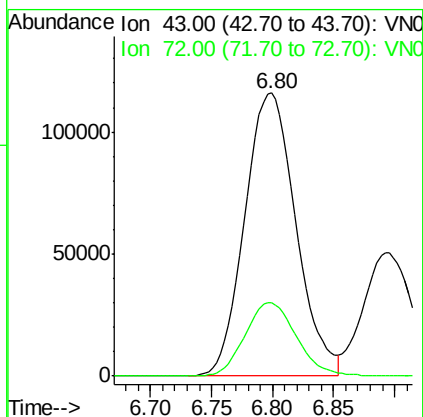
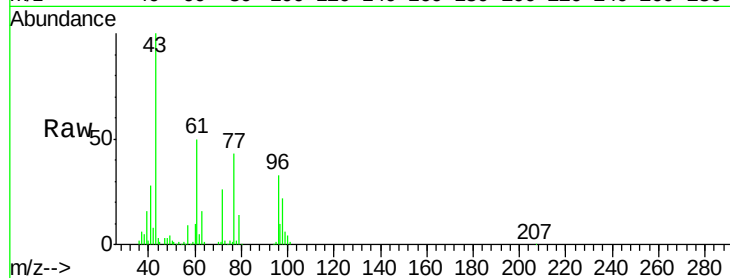
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 44.906 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060388.D

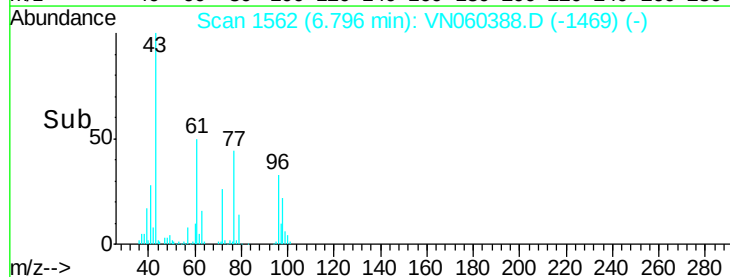
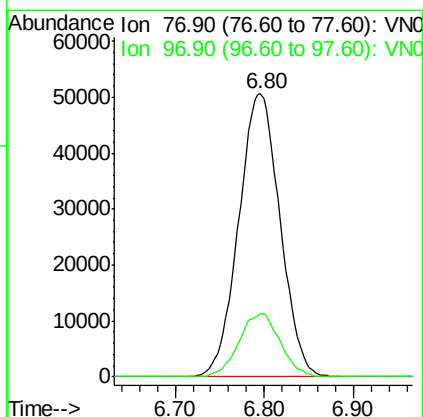
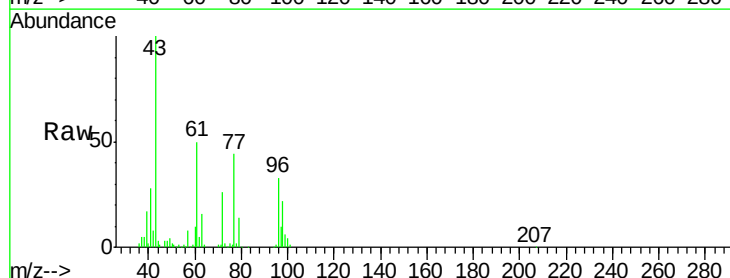
Acq: 6 Mar 2020 18:07

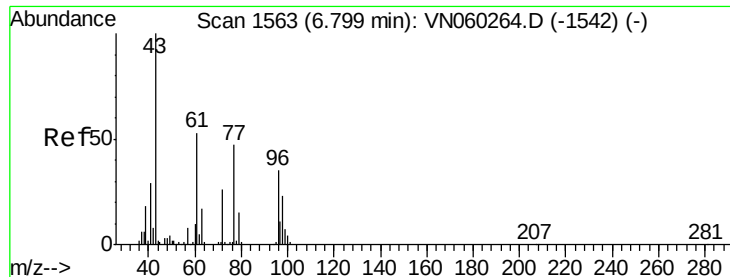
Tgt Ion: 77 Resp: 163099

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 43.020 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

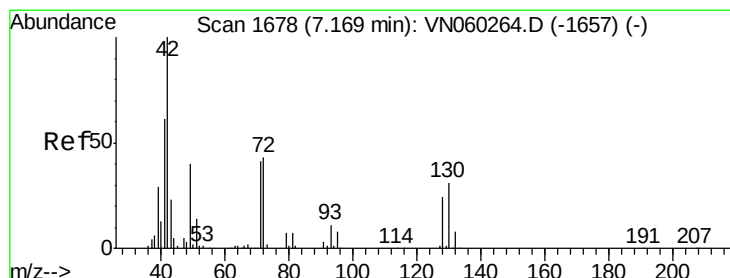
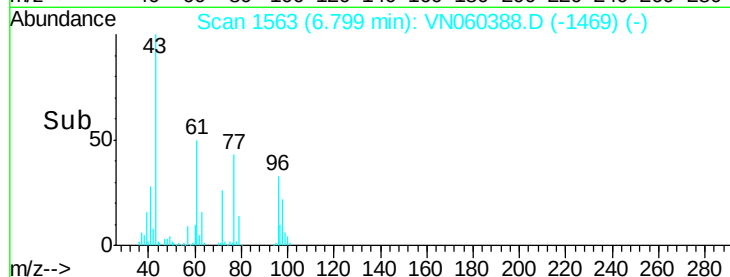
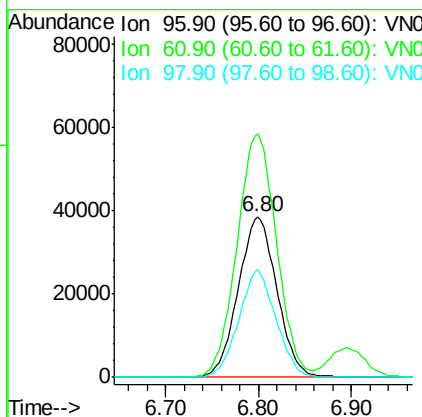
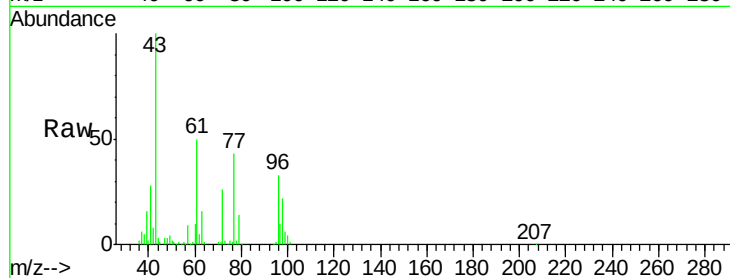
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	111493
Ion	Ratio	Lower	Upper
96	100		
61	154.6	0.0	300.8
98	64.4	0.0	128.2

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#28

Bromochloromethane

Concen: 48.700 ug/l

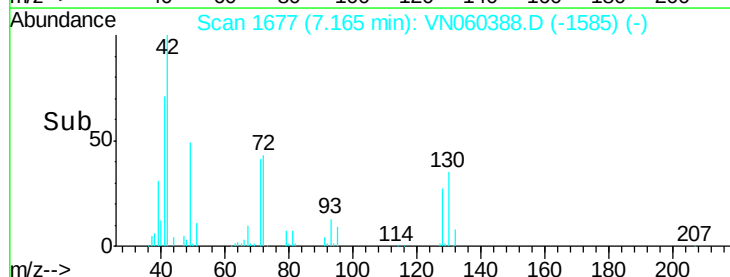
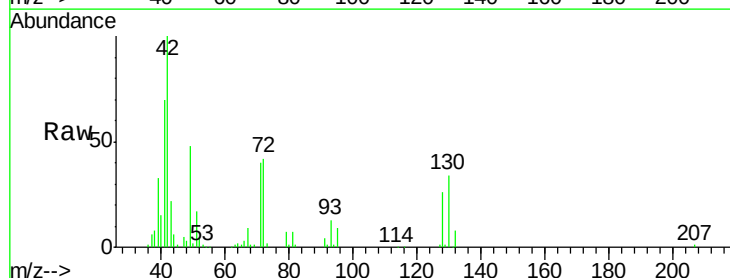
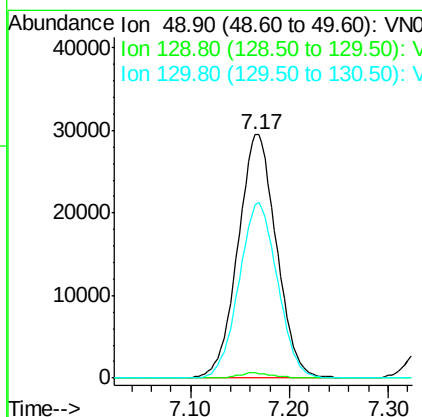
RT: 7.17 min Scan# 1677

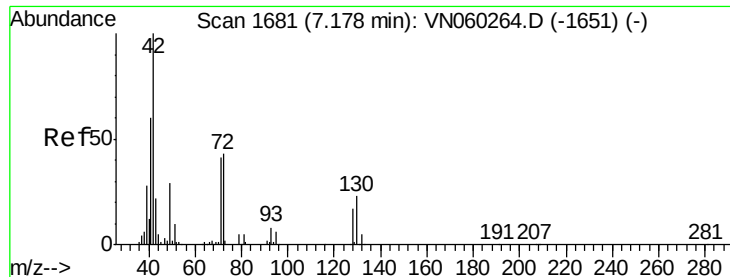
Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion:	49	Resp:	79773
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	71.7	59.8	89.8





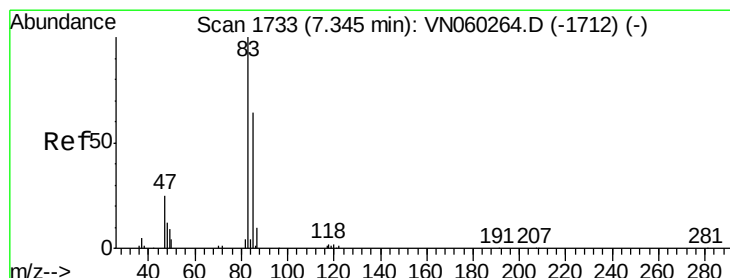
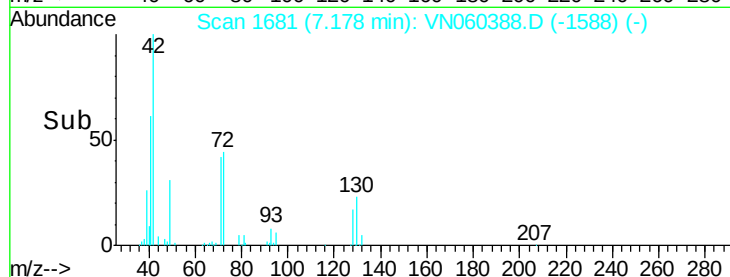
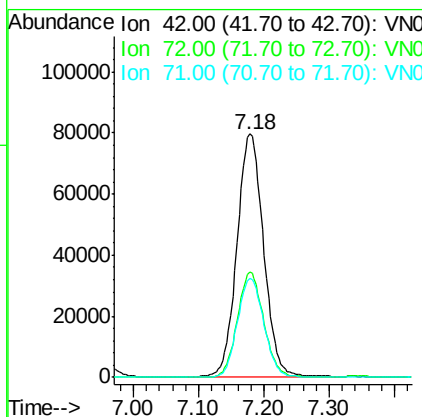
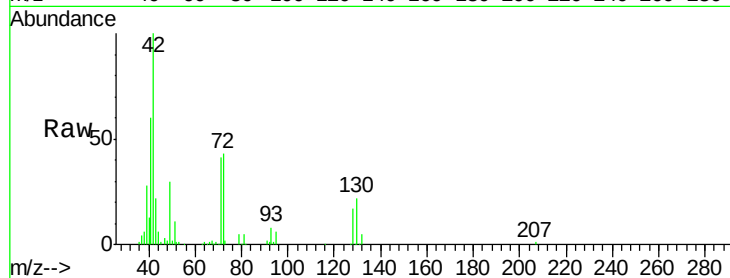
#29
Tetrahydrofuran
Concen: 248.390 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.6	52.0
71	40.0	32.9	49.3

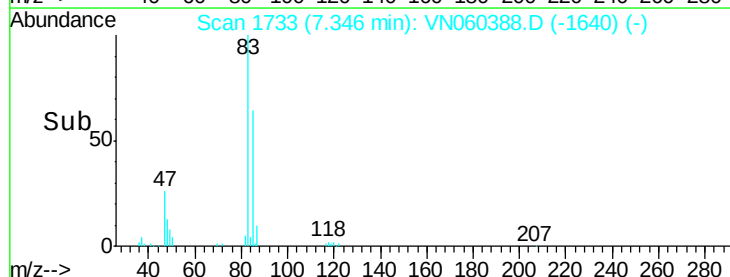
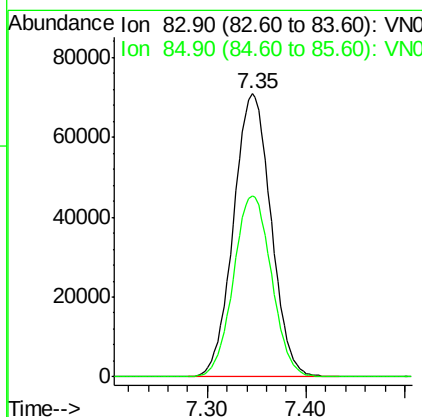
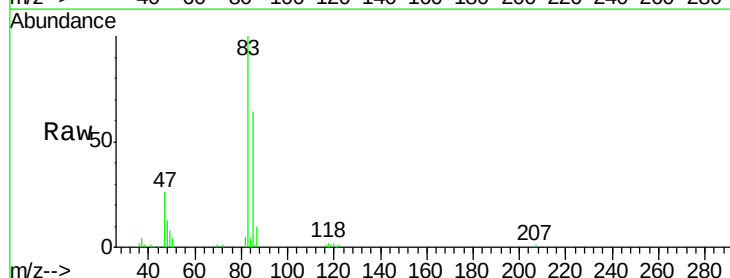
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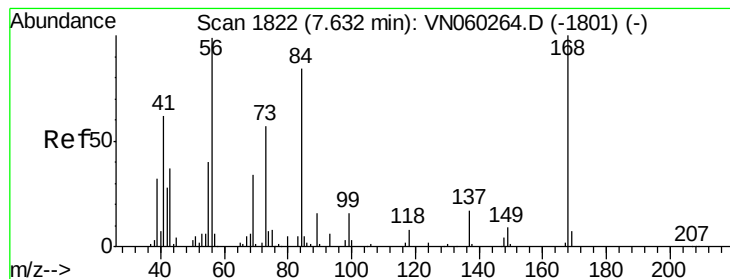
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#30
Chloroform
Concen: 47.086 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.2





#31

Cyclohexane

Concen: 46.521 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

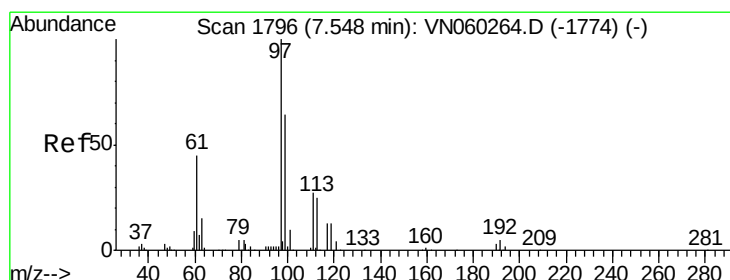
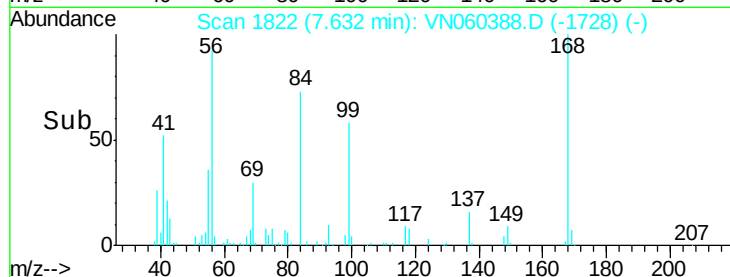
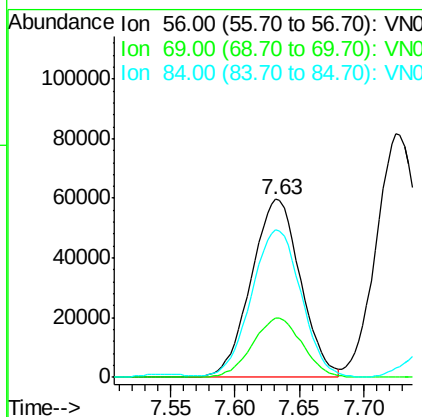
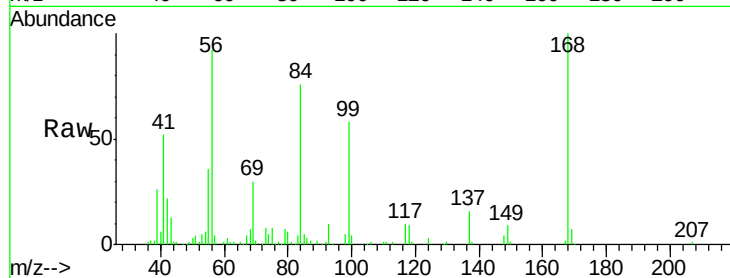
ClientSampleID :

VSTDCCC050EC

Tot Ion:	56	Resp:	158700
Ion	Ratio	Lower	Upper
56	100		
69	33.3	27.2	40.8
84	81.8	66.7	100.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.767 ug/l

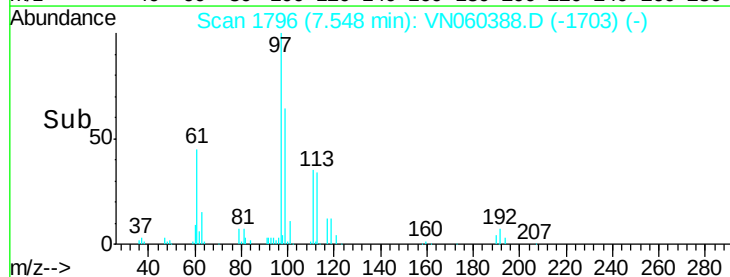
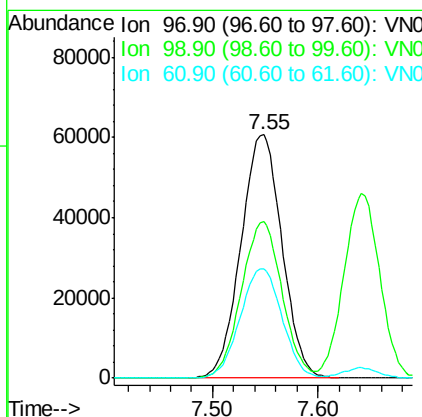
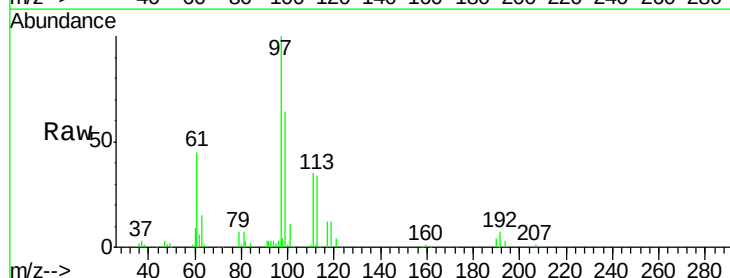
RT: 7.55 min Scan# 1796

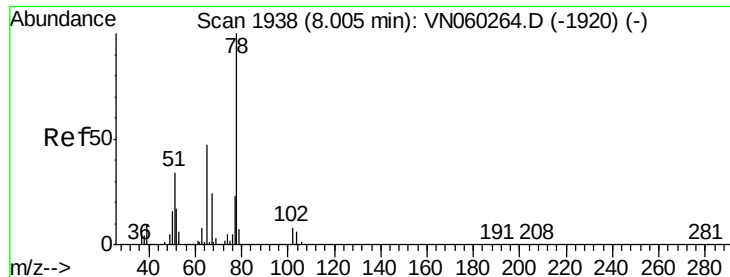
Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion:	97	Resp:	164564
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	45.8	36.6	55.0





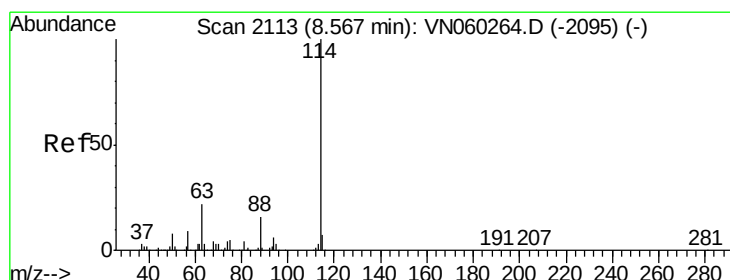
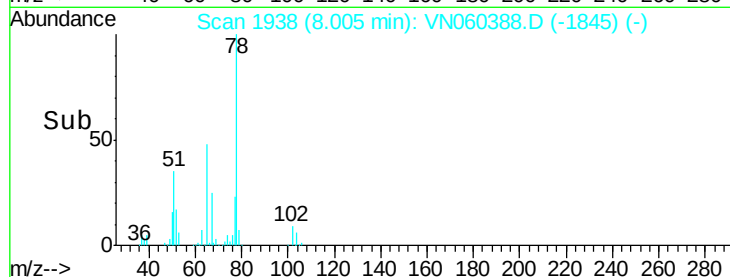
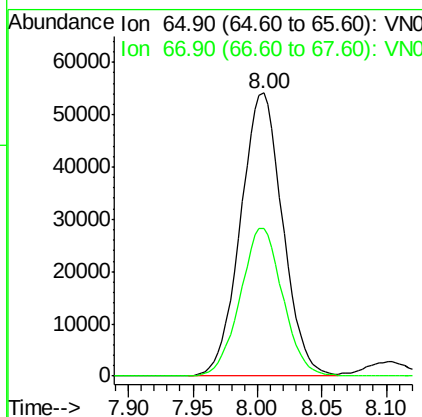
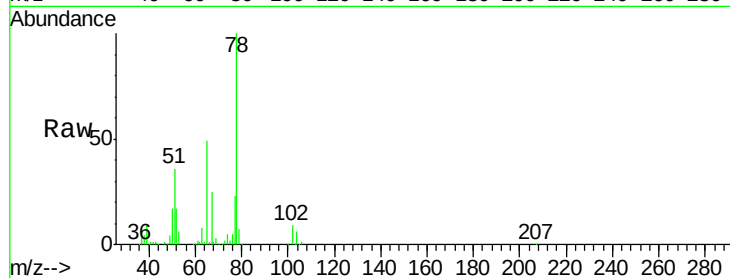
#33
 1,2-Dichloroethane-d4
 Concen: 48.954 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	103.8	

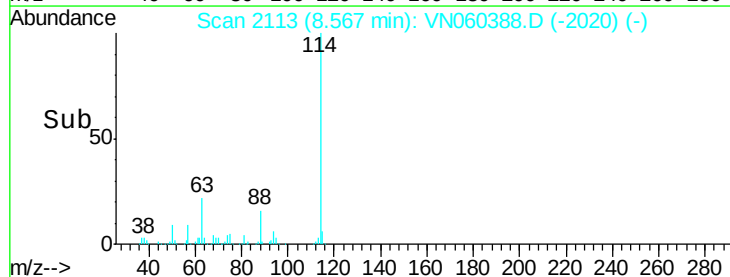
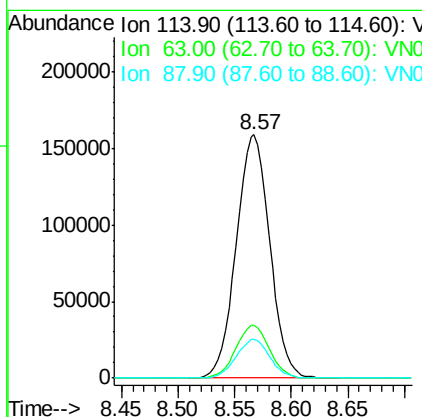
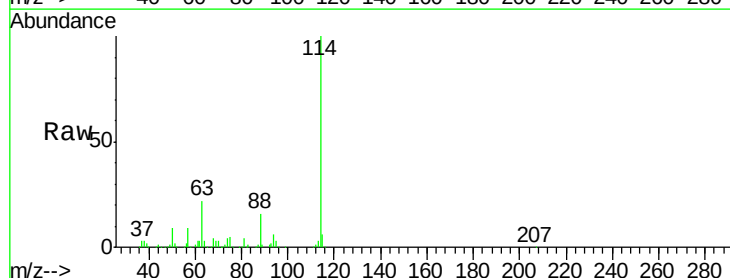
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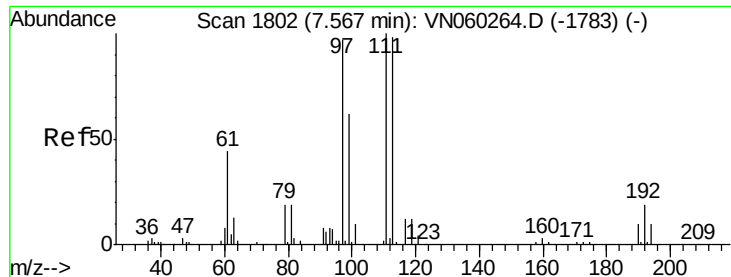
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	43.2	
88	16.1	0.0	31.6	





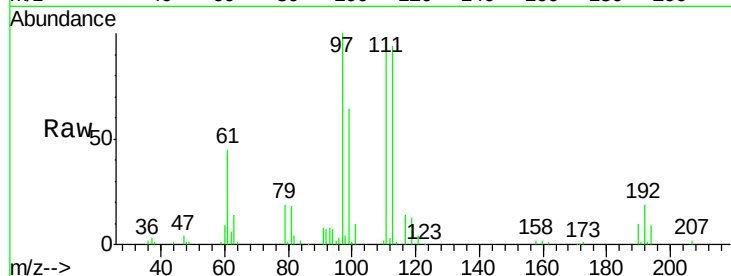
#35
 Dibromofluoromethane
 Concen: 58.384 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

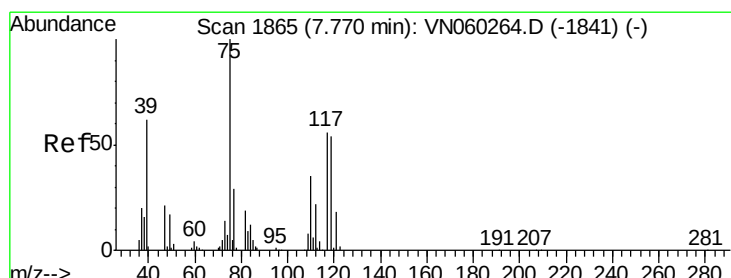
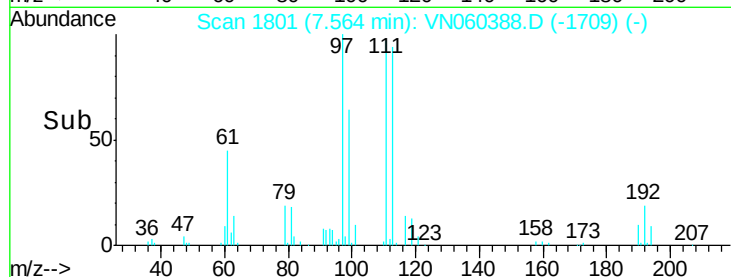
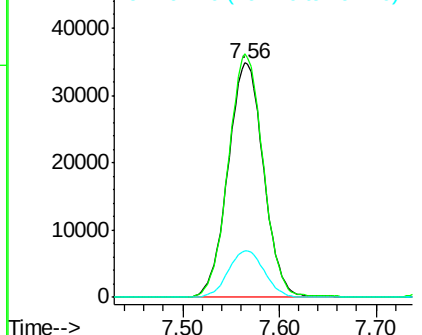
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	20.1	16.2	24.2

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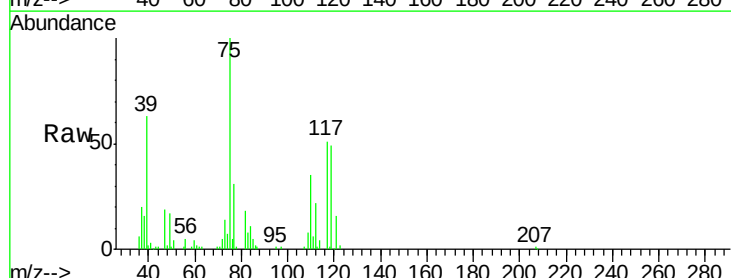


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

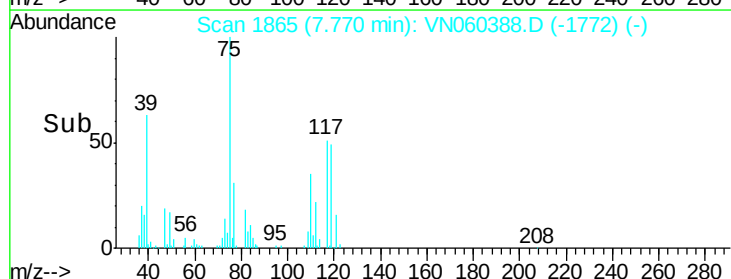
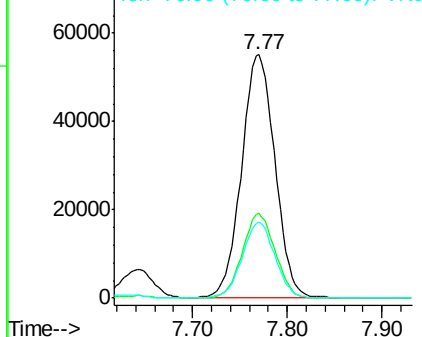


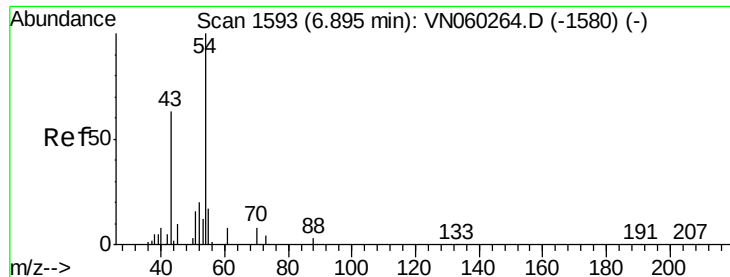
#36
 1,1-Dichloropropene
 Concen: 43.362 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	52.0
77	30.4	24.2	36.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





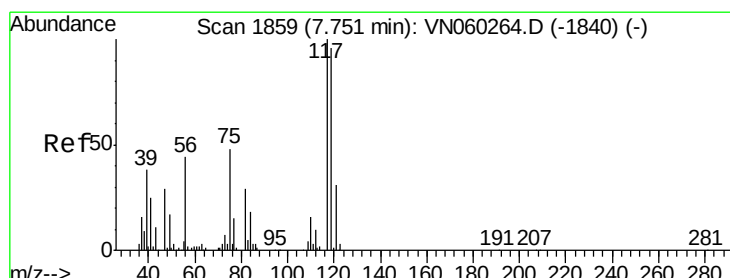
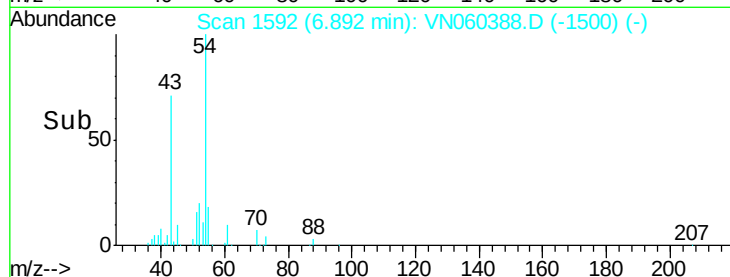
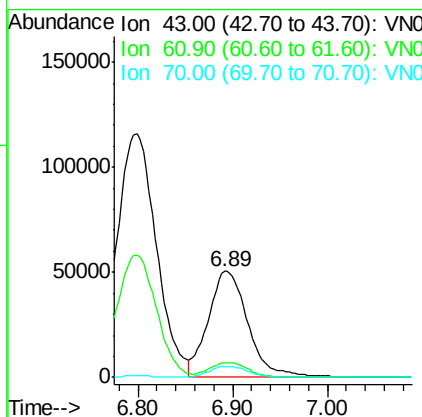
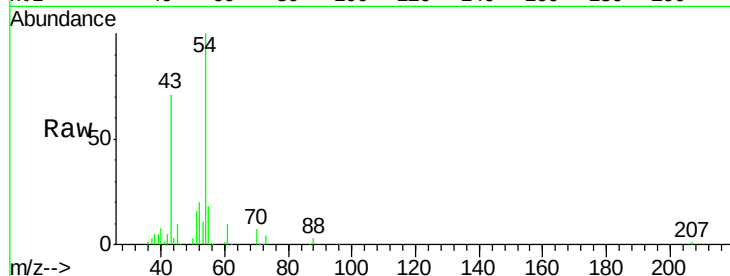
#37
Ethyl Acetate
Concen: 48.983 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.1	16.7
70	10.3	8.4	12.6

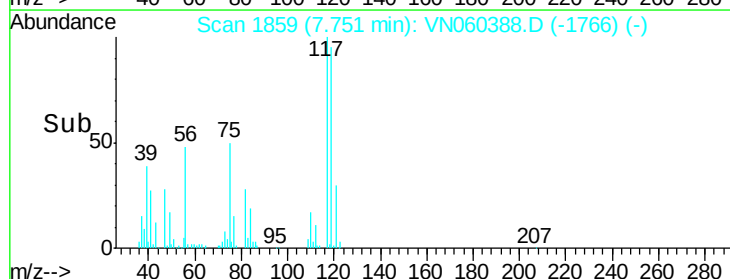
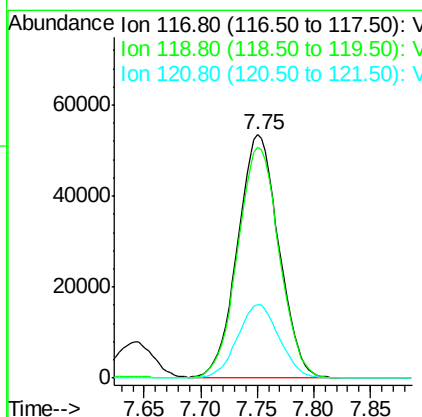
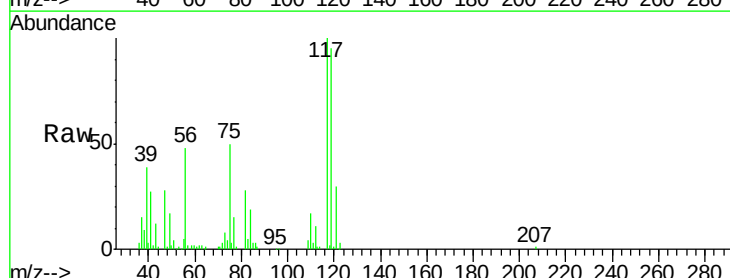
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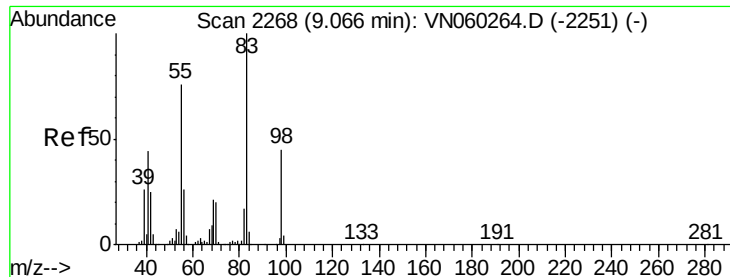
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#38
Carbon Tetrachloride
Concen: 44.487 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.7	115.1
121	30.2	24.5	36.7





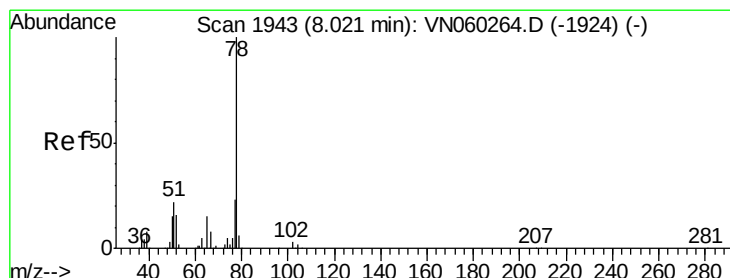
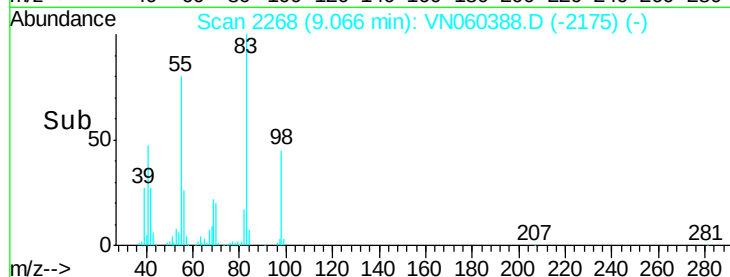
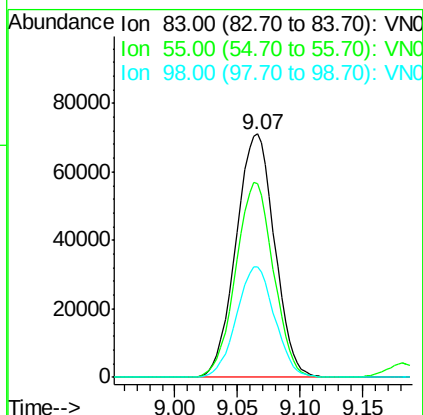
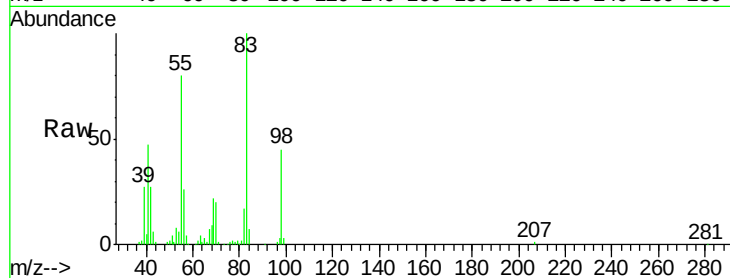
#39
Methylvlcyclohexane
Concen: 41.289 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	61.0	91.4
98	45.5	36.1	54.1

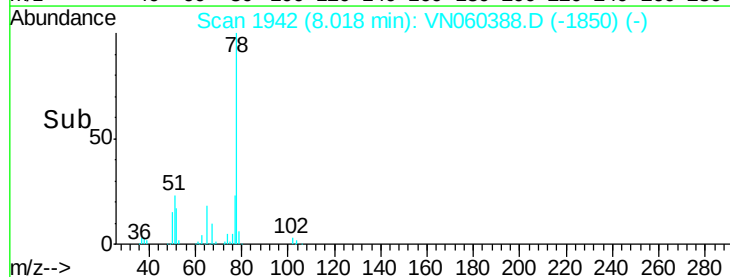
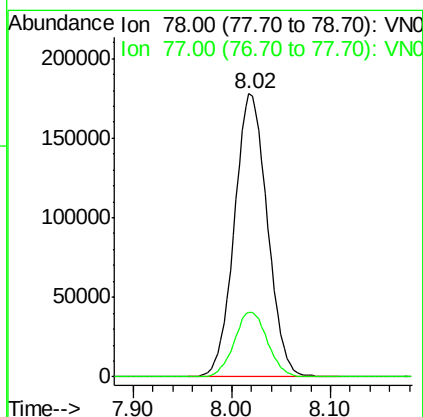
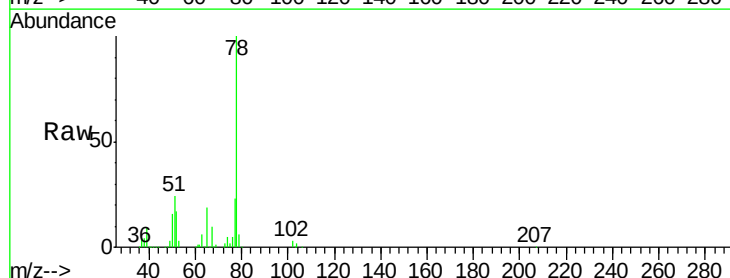
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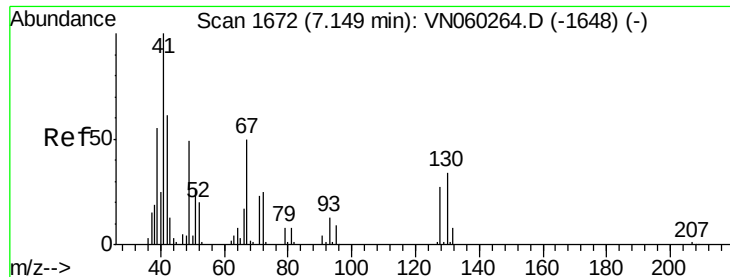
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3/9/2020 11:41:30 AM



#40
Benzene
Concen: 45.245 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





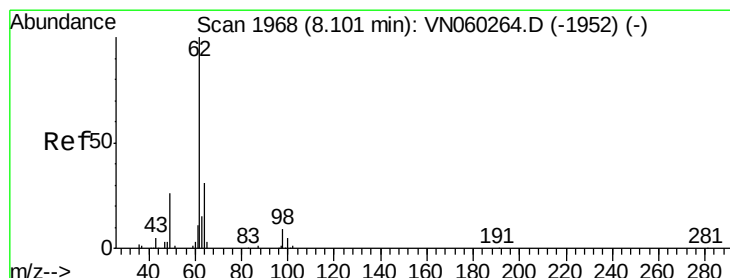
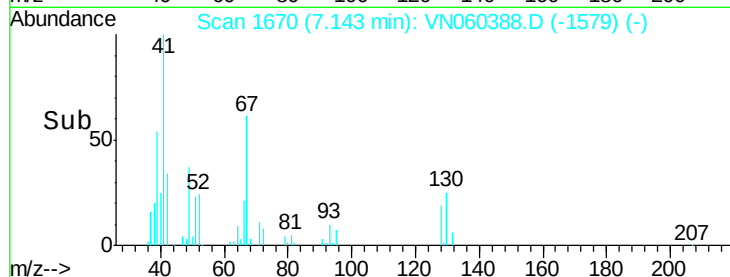
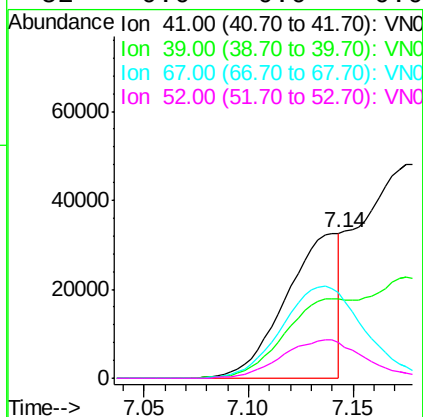
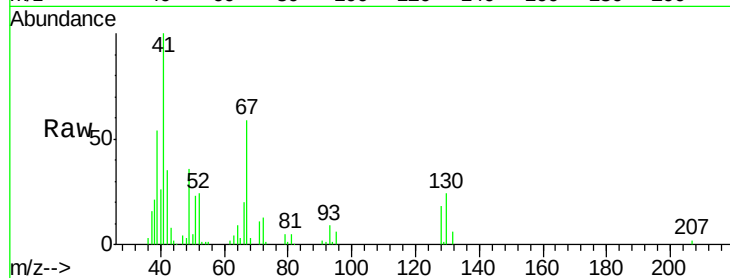
#41
Methacrylonitrile
Concen: 42.286 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	41	Resp:	57831
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

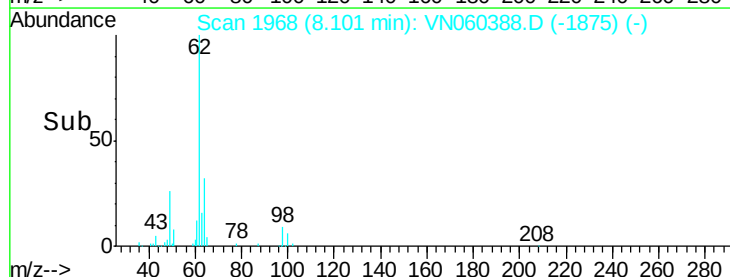
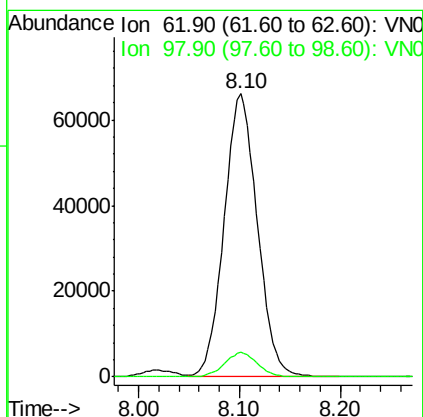
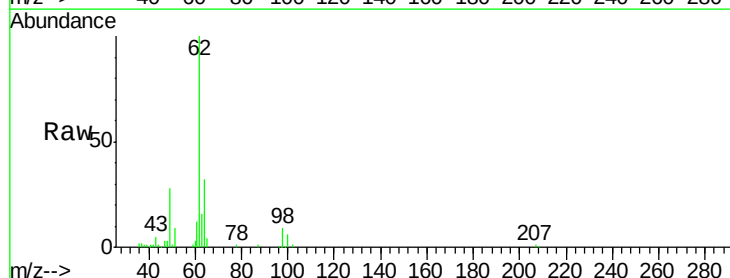
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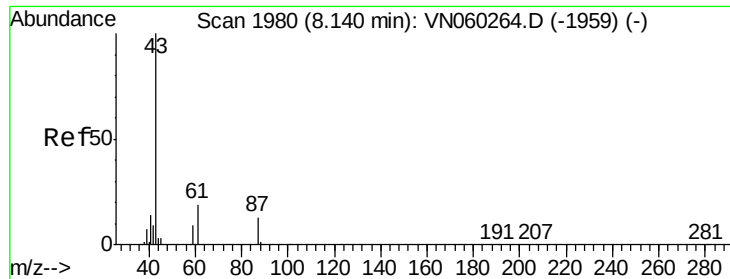
MMDadoda
3/9/2020 11:41:30 AM



#42
1,2-Dichloroethane
Concen: 46.130 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	62	Resp:	151555
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 49.044 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

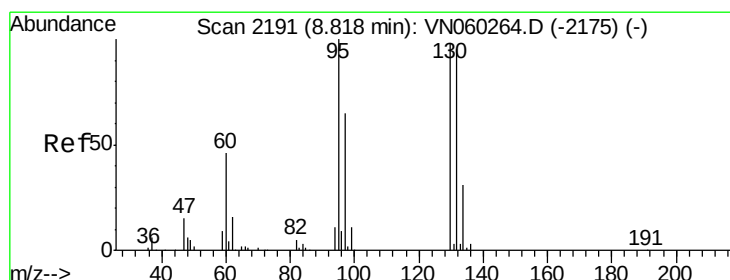
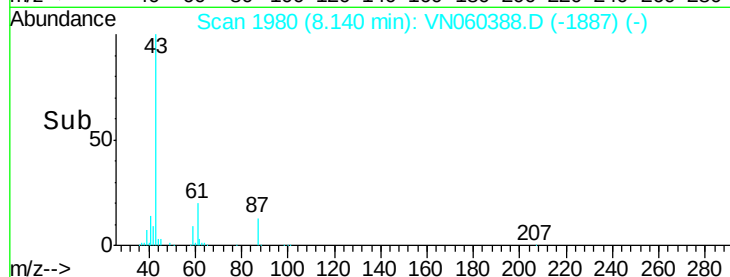
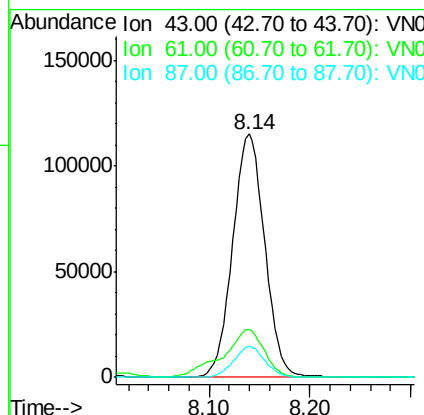
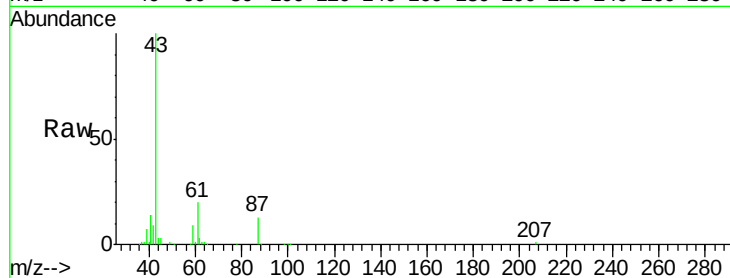
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	254305
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.9	31.3
87	12.3	10.6	16.0

Manual Integrations
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MMDadoda
3/9/2020 11:41:30 AM



#44

Trichloroethene

Concen: 43.936 ug/l

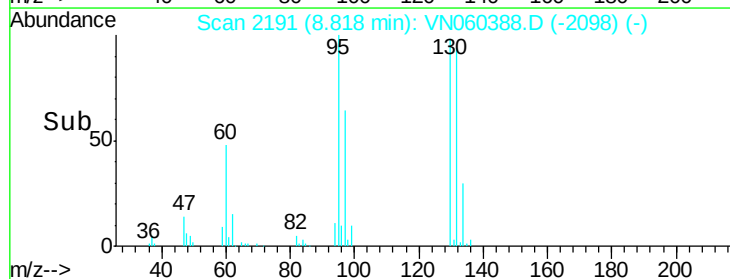
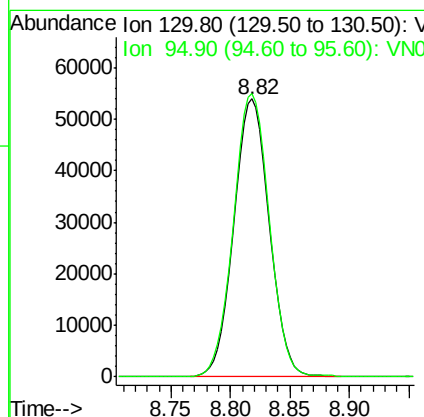
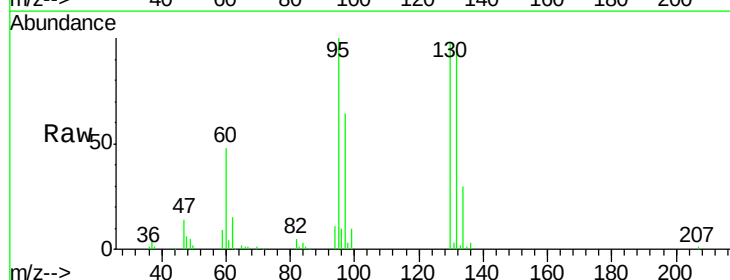
RT: 8.82 min Scan# 2191

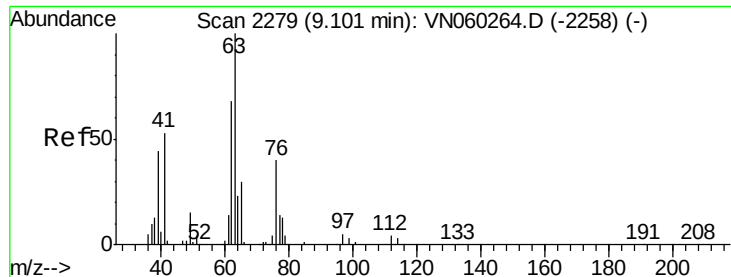
Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion:	130	Resp:	111406
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	203.4





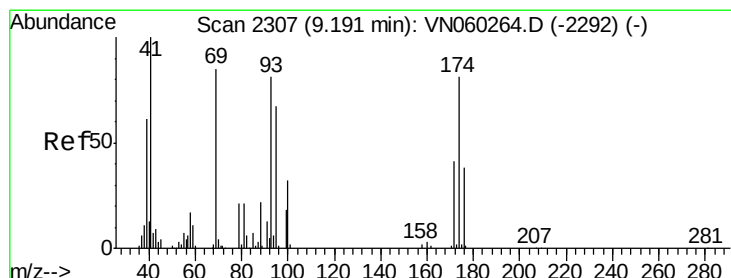
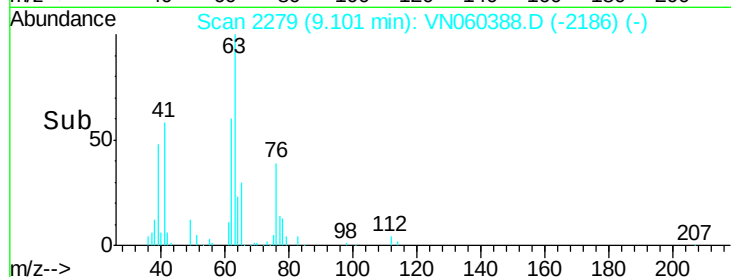
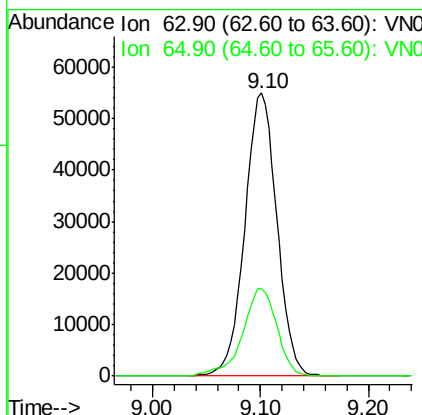
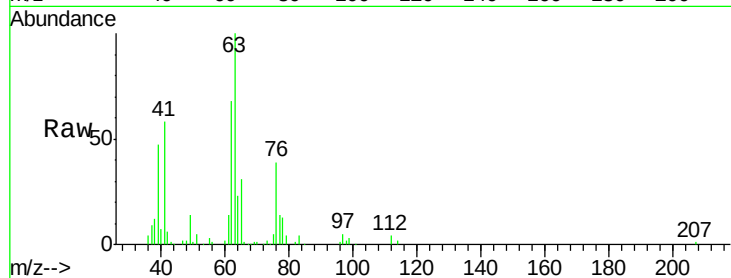
#45
 1,2-Dichloropropane
 Concen: 47.675 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.4	36.6

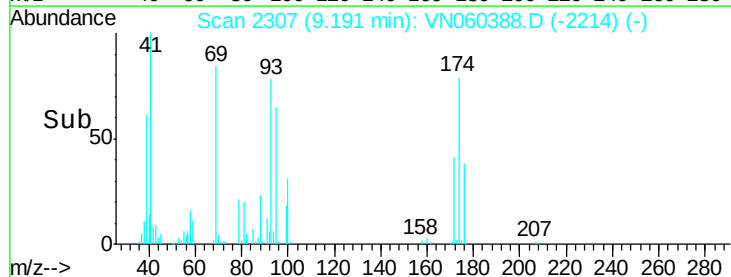
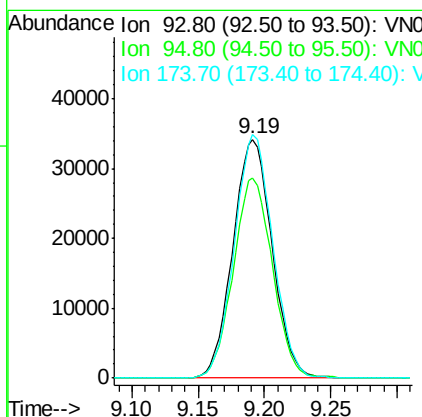
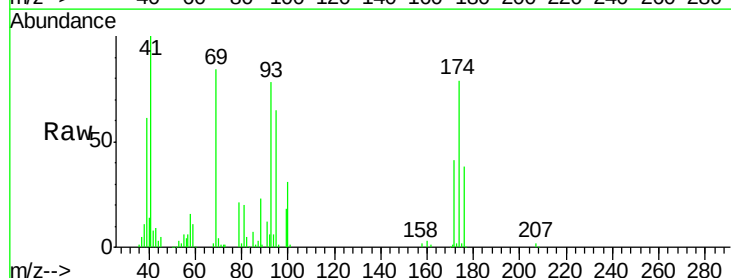
Manual Integrations
 APPROVED

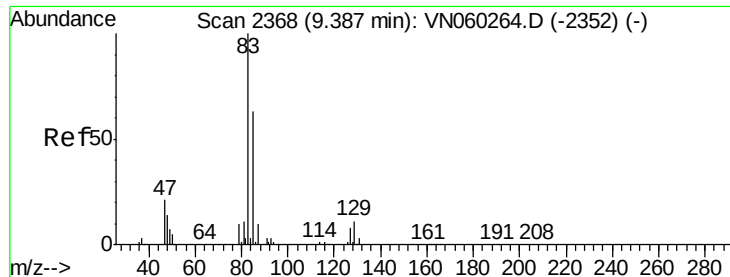
MMDadoda
 3/9/2020 11:41:30 AM



#46
 Dibromomethane
 Concen: 45.552 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.9	98.9
174	99.7	79.6	119.4





#47

Bromodichloromethane

Concen: 47.563 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

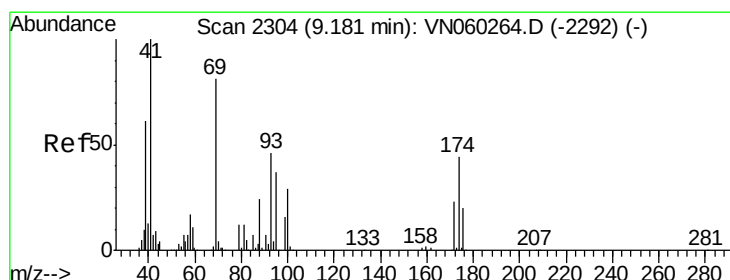
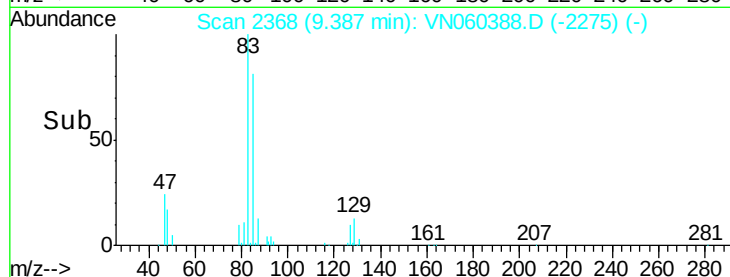
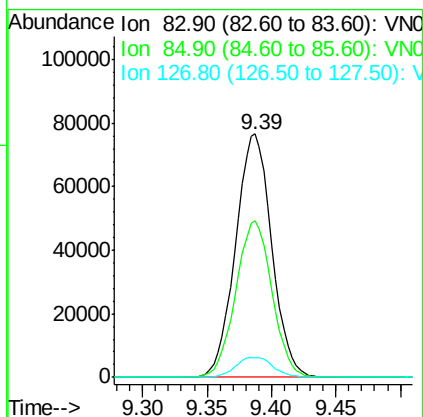
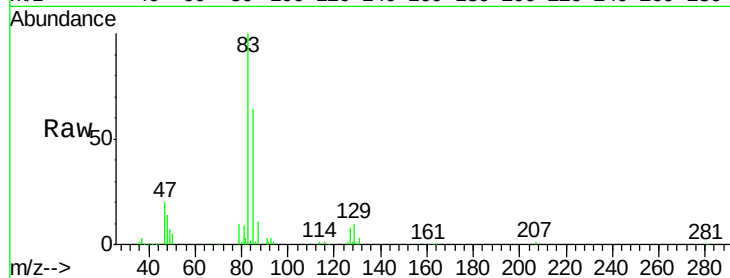
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	149412
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.7	76.1
127	8.3	6.8	10.2

Manual Integrations
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MMDadoda
3/9/2020 11:41:30 AM



#48

Methyl methacrylate

Concen: 46.961 ug/l

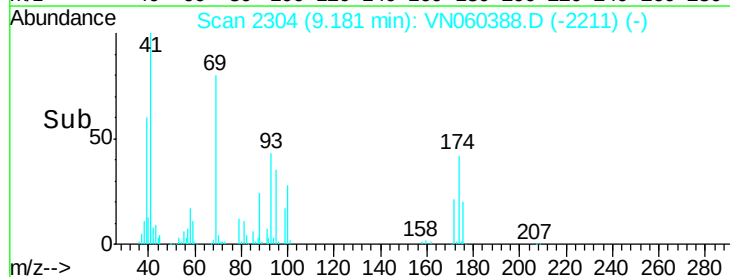
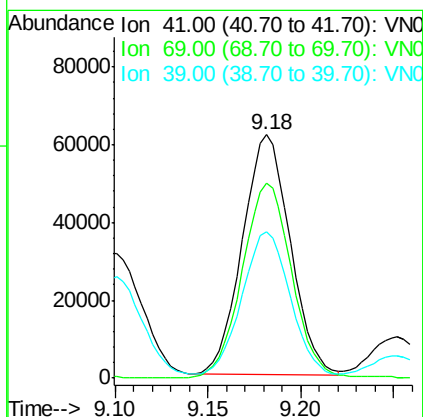
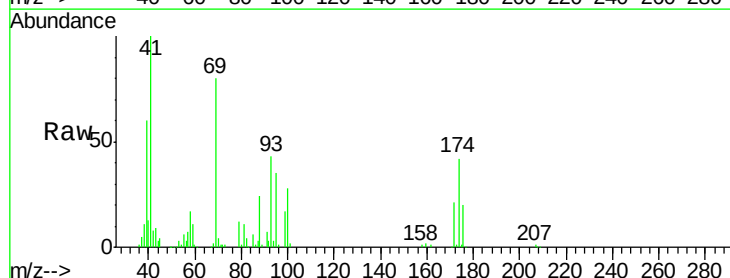
RT: 9.18 min Scan# 2304

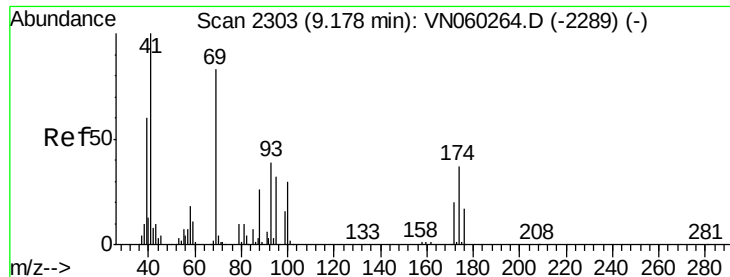
Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion:	41	Resp:	111040
Ion	Ratio	Lower	Upper
41	100		
69	83.9	66.7	100.1
39	62.9	50.1	75.1





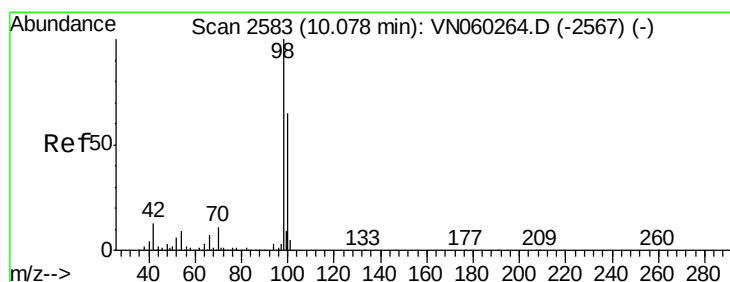
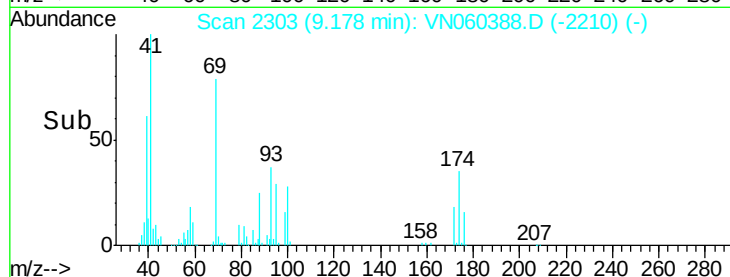
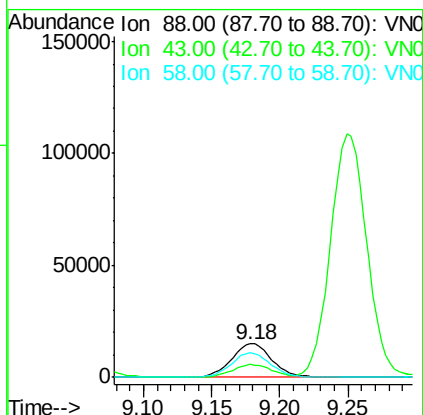
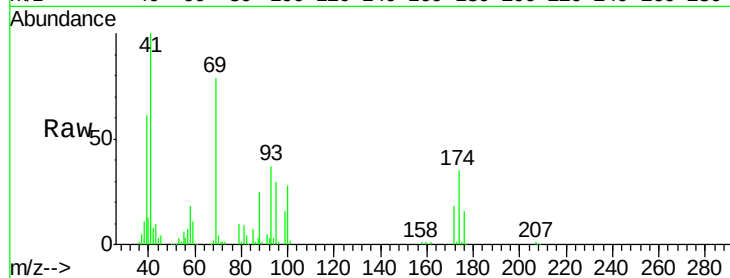
#49
 1,4-Dioxane
 Concen: 930.504 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	30.4	45.6
58	72.1	57.0	85.6

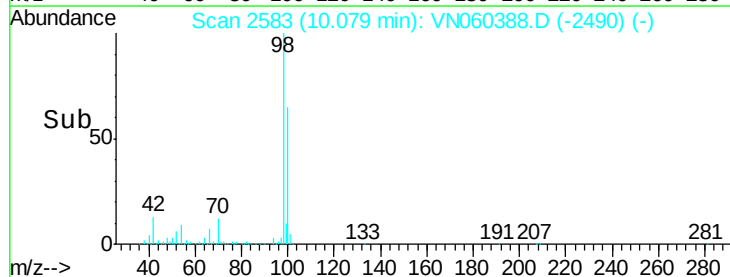
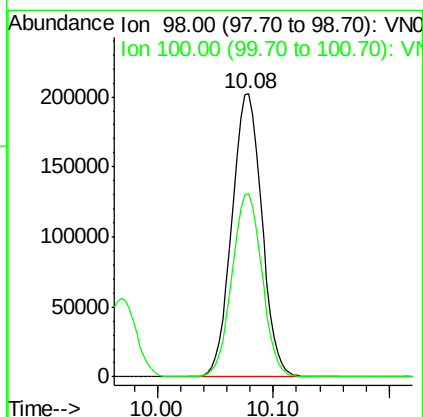
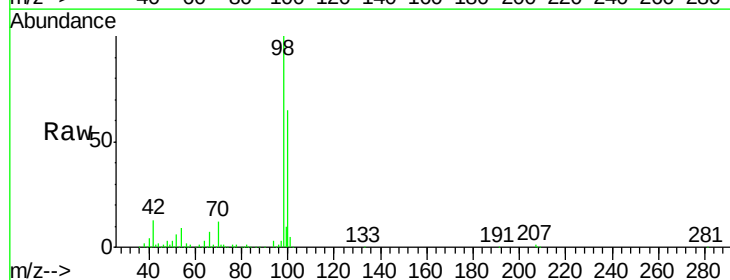
Manual Integrations
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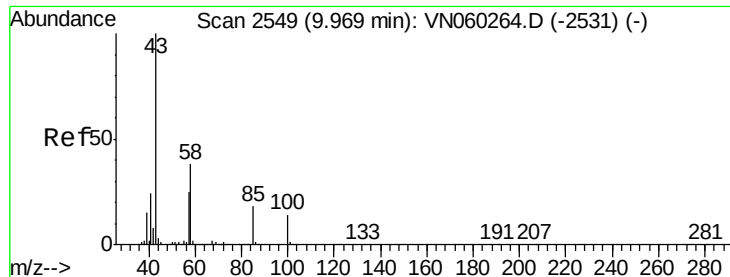
MMDadoda
 3/9/2020 11:41:30 AM



#50
 Toluene-d8
 Concen: 46.952 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





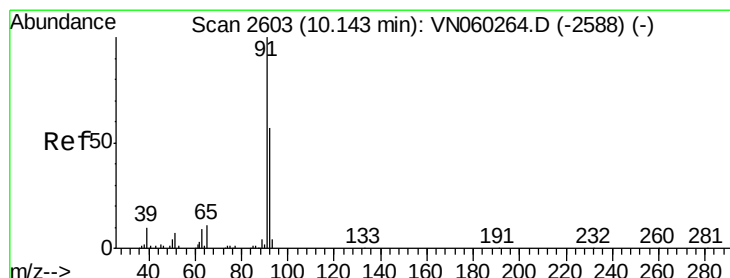
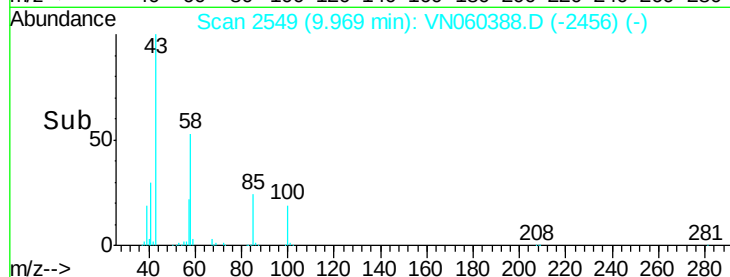
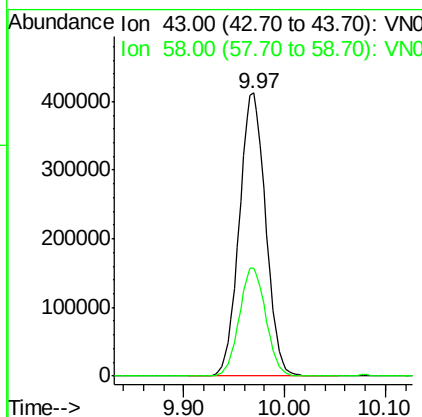
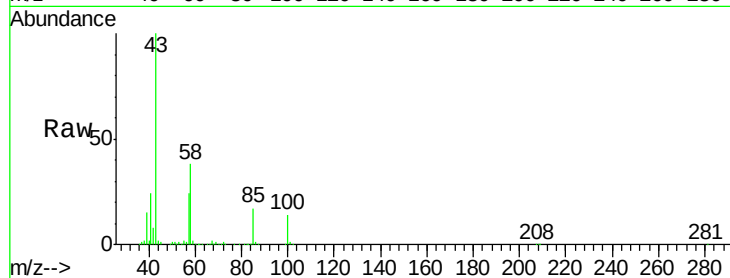
#51
4-Methyl-2-Pentanone
Concen: 253.518 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	745328
Ion Ratio	100	Lower	Upper
43	100		
58	38.3	30.9	46.3

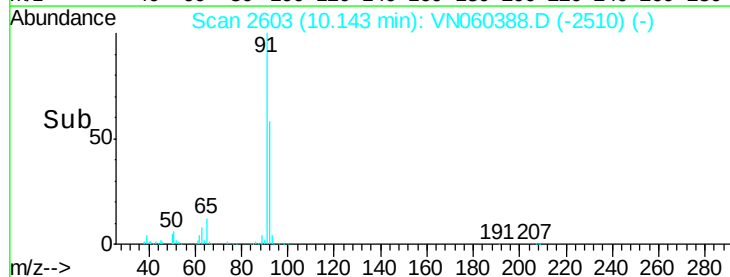
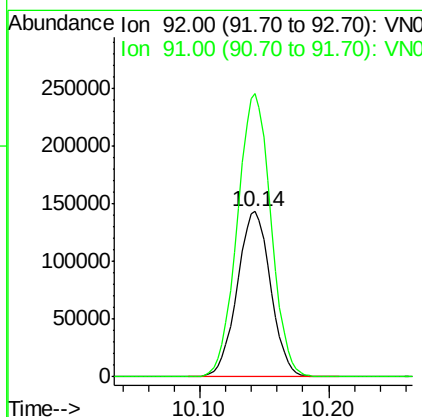
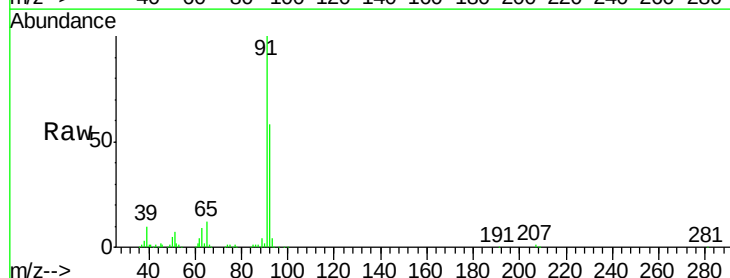
Manual Integrations
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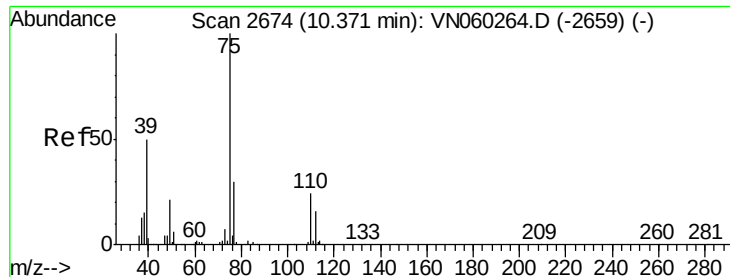
MMDadoda
3/9/2020 11:41:30 AM



#52
Toluene
Concen: 45.167 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	92	Resp	258310
Ion Ratio	100	Lower	Upper
92	100		
91	172.8	138.1	207.1





#53

t-1,3-Dichloropropene

Concen: 45.275 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 174271

Ion Ratio Lower Upper

75 100

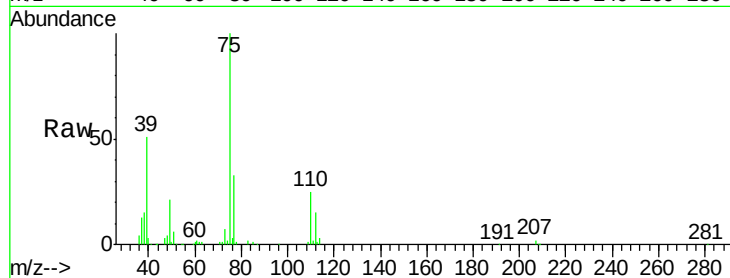
77 32.5 24.8 37.2

Manual Integrations

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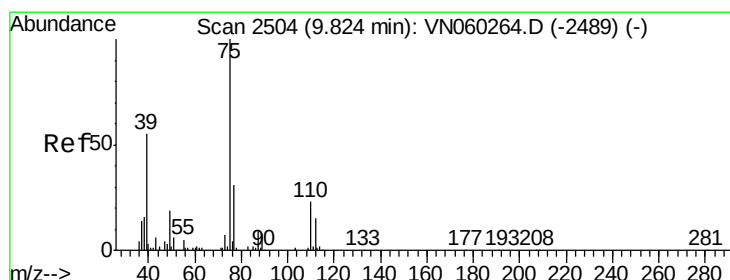
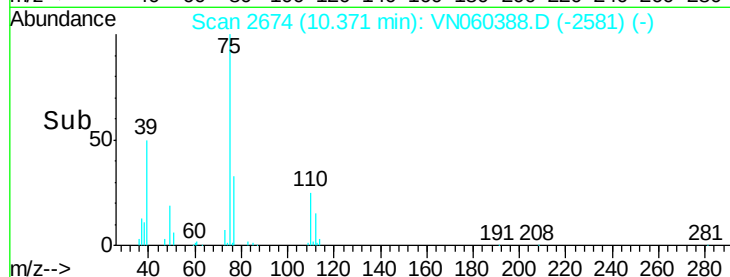
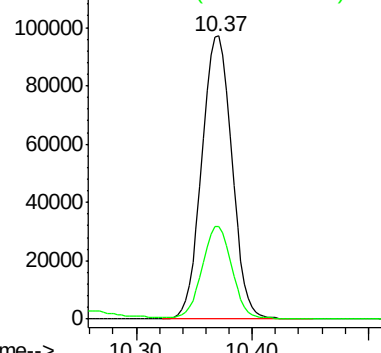
MMDadoda

3/9/2020 11:41:30 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 45.945 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

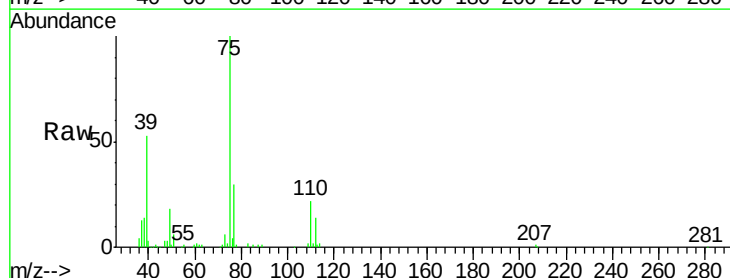
Tgt Ion: 75 Resp: 183255

Ion Ratio Lower Upper

75 100

77 30.5 24.8 37.2

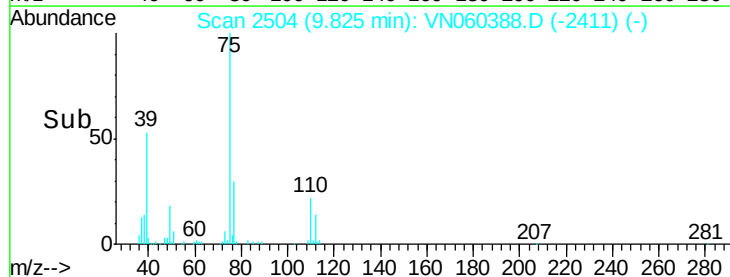
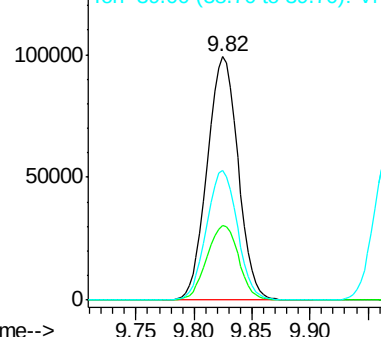
39 53.4 43.8 65.8

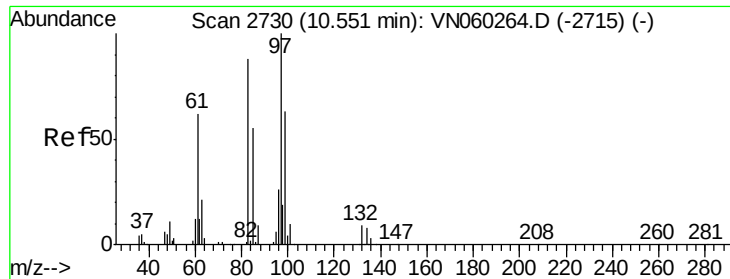


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





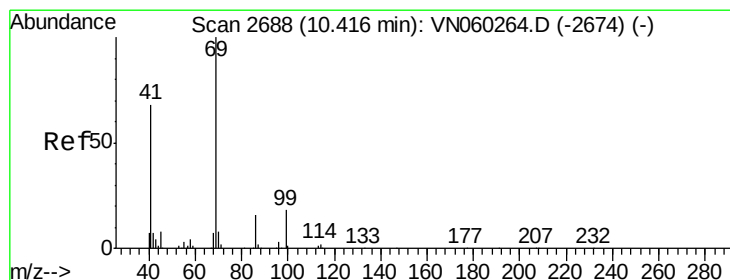
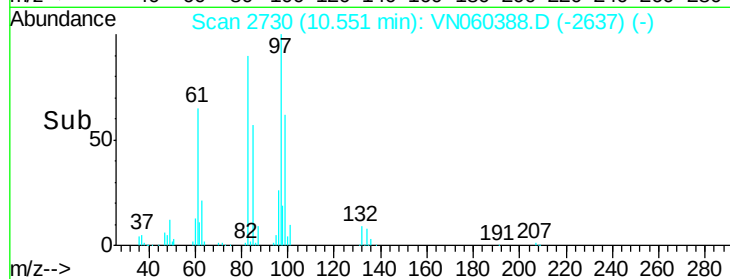
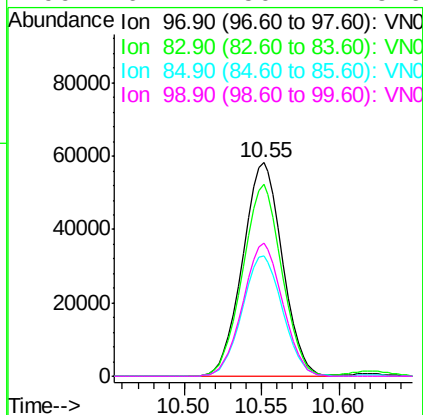
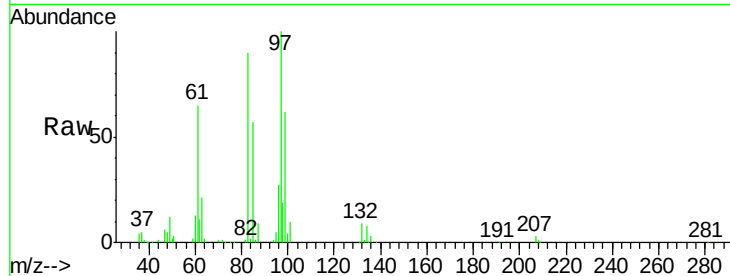
#55
 1,1,2-Trichloroethane
 Concen: 45.426 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.0	105.0
85	56.6	44.0	66.0
99	62.1	50.4	75.6

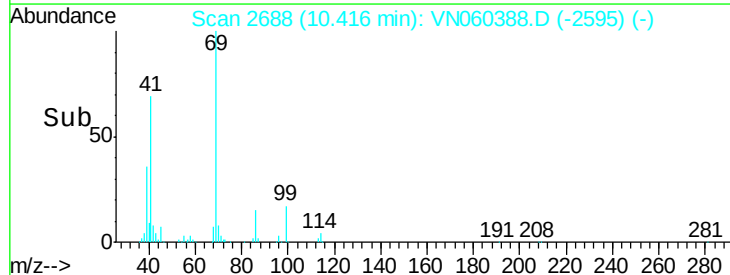
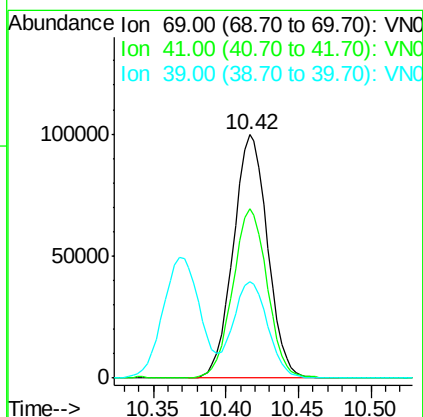
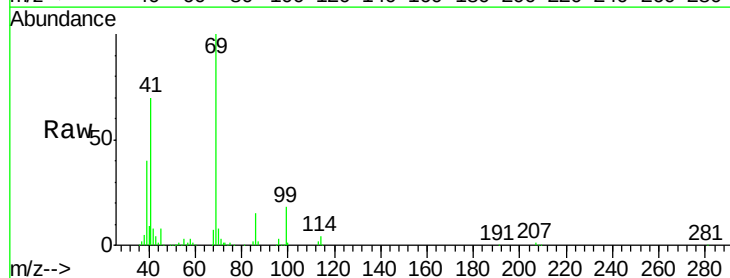
Manual Integrations
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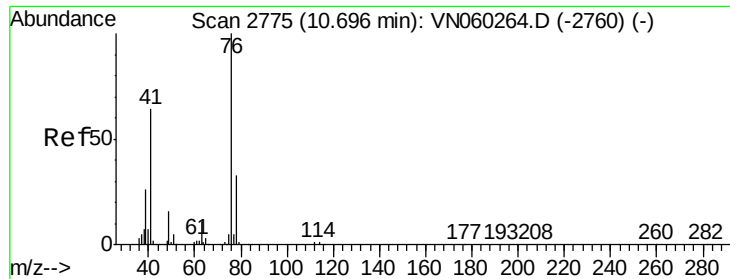
MMDadoda
 3/9/2020 11:41:30 AM



#56
 Ethyl methacrylate
 Concen: 49.565 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	54.1	81.1
39	40.2	32.5	48.7





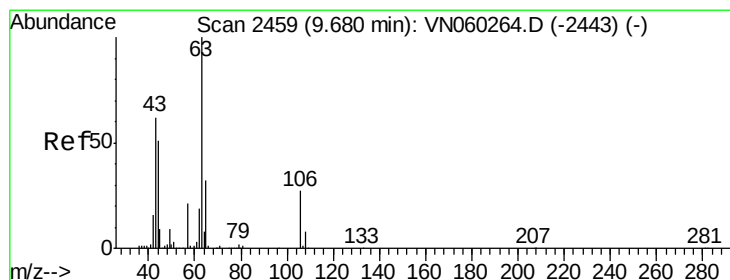
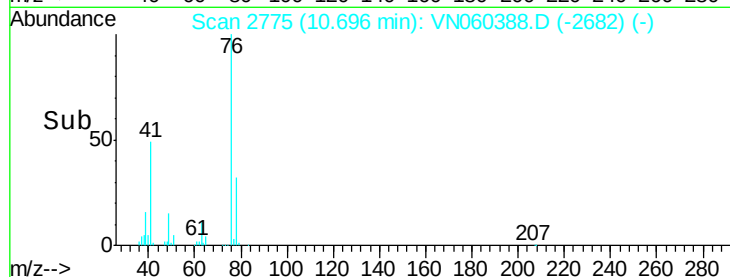
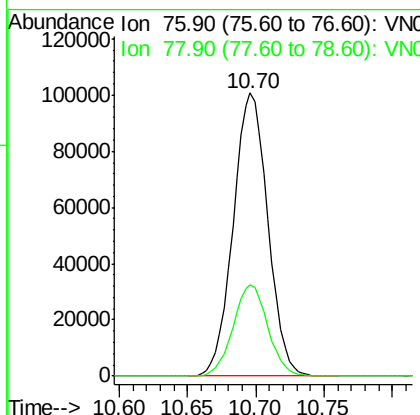
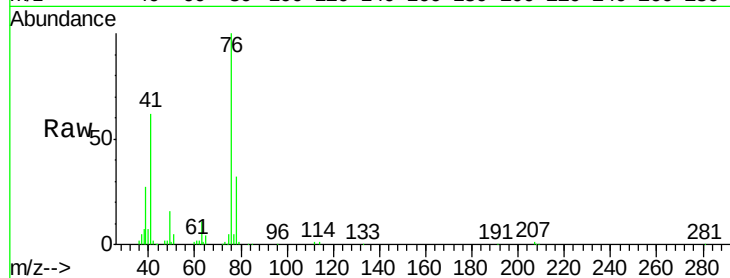
#57
 1,3-Dichloropropane
 Concen: 47.224 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.2

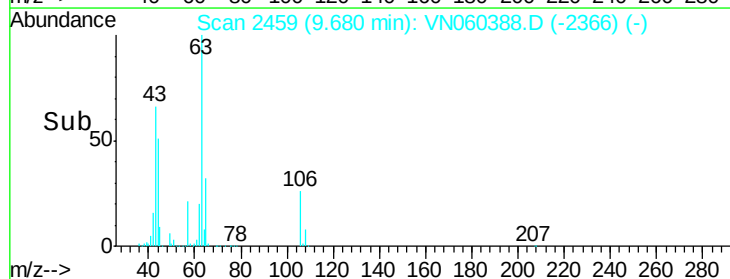
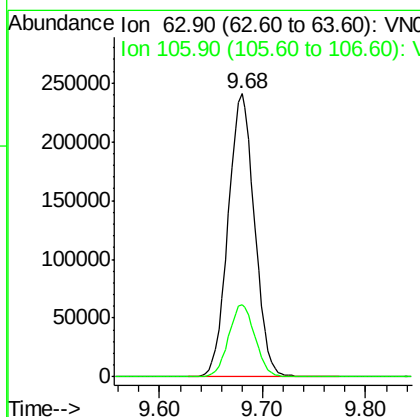
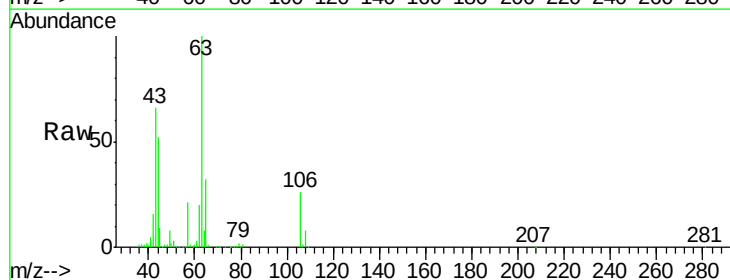
Manual Integrations
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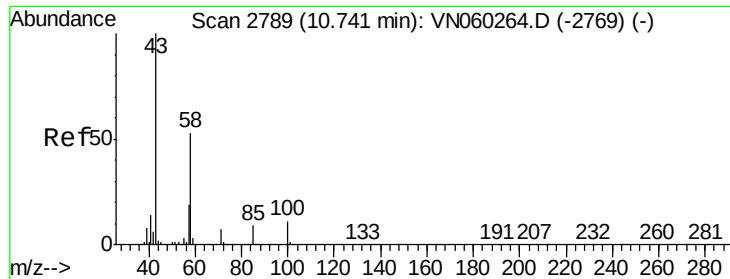
MMDadoda
 3/9/2020 11:41:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.714 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	21.1	31.7





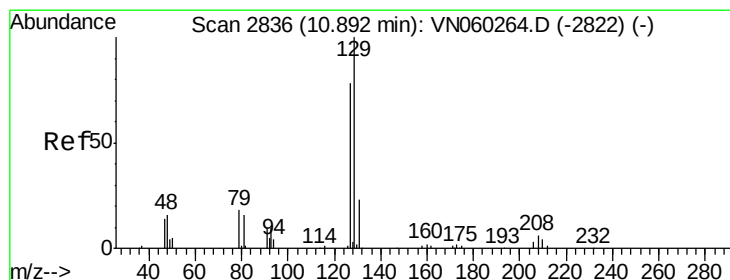
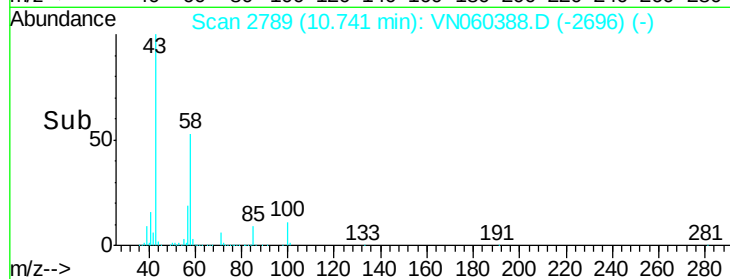
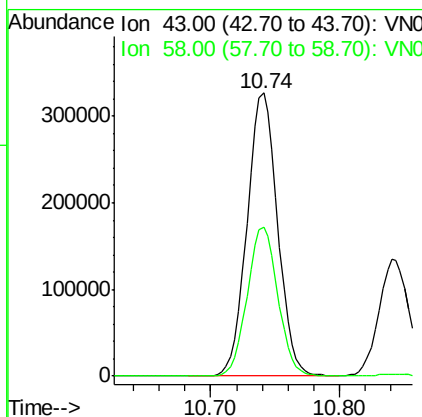
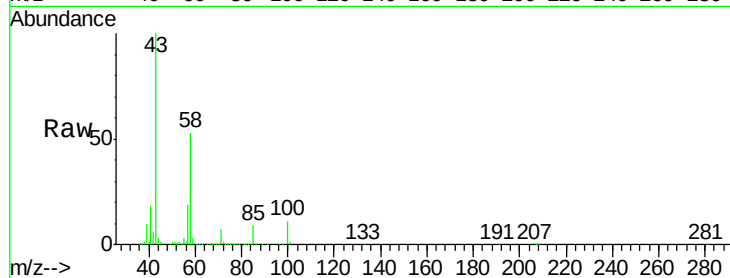
#59
2-Hexanone
Concen: 250.190 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 540055
Ion Ratio Lower Upper
43 100
58 52.8 26.5 79.5

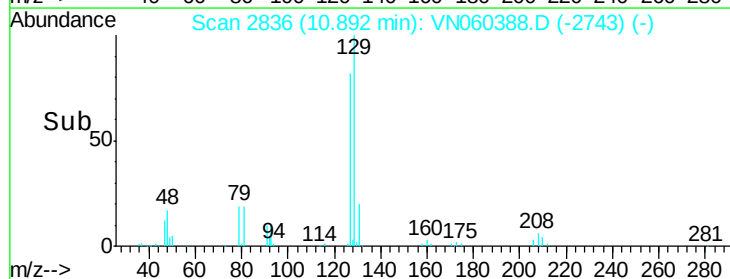
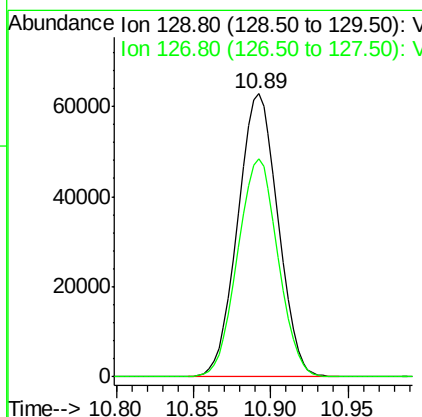
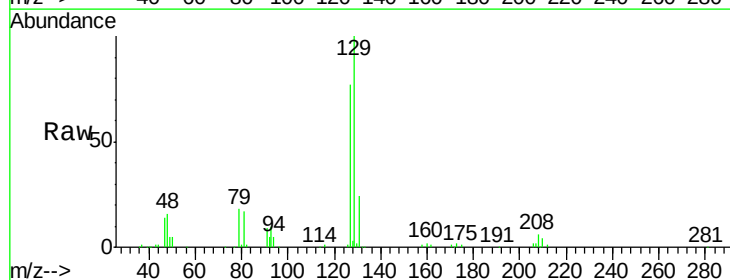
Manual Integrations
APPROVED

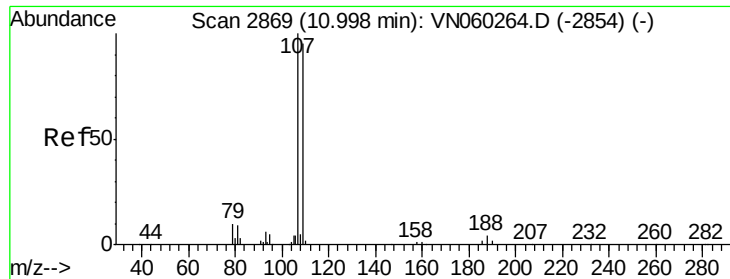
MMDadoda
3/9/2020 11:41:30 AM



#60
Dibromochloromethane
Concen: 48.653 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion: 129 Resp: 113794
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7





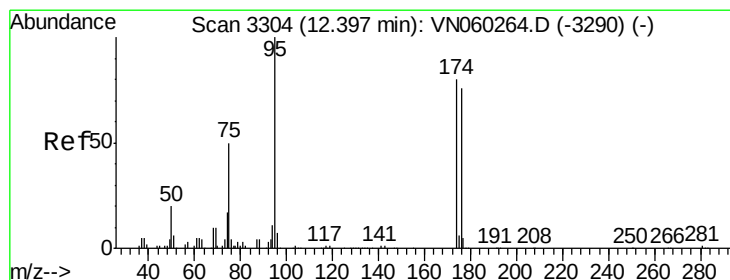
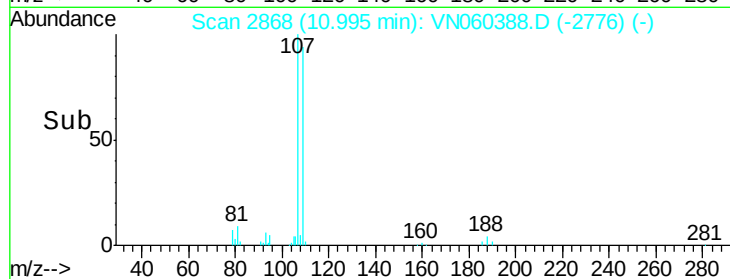
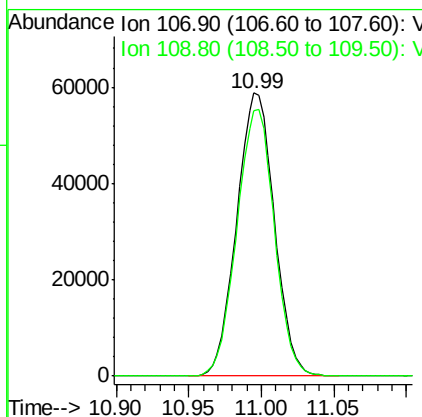
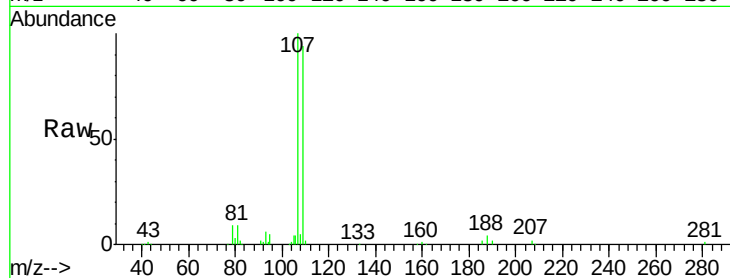
#61
 1,2-Dibromoethane
 Concen: 47.394 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.8	115.2

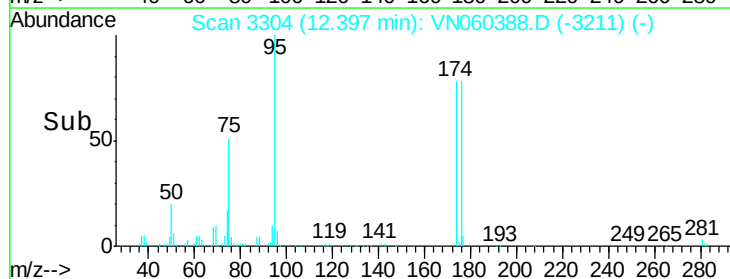
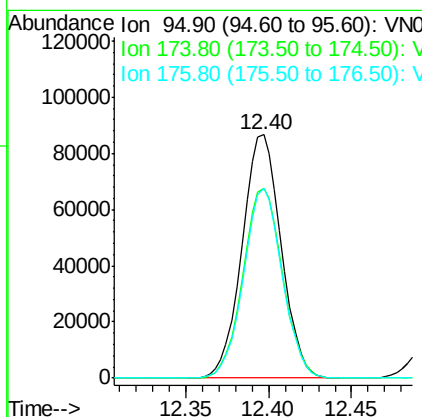
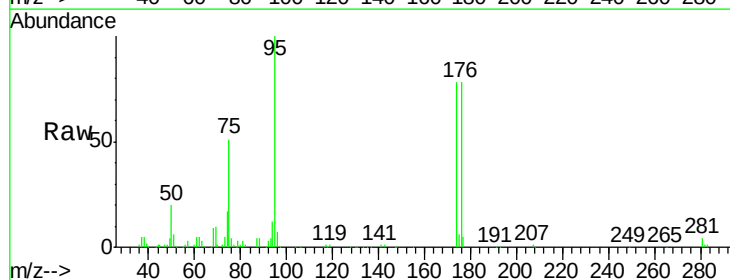
Manual Integrations
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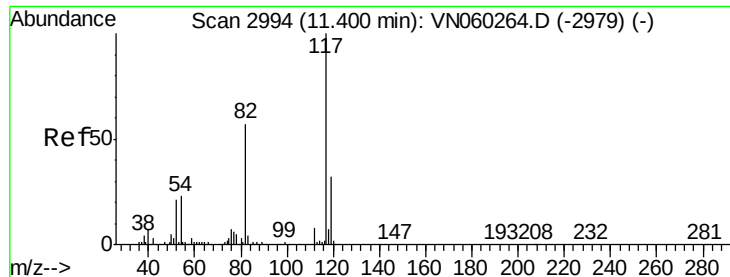
MMDadoda
 3/9/2020 11:41:30 AM



#62
 4-Bromofluorobenzene
 Concen: 48.428 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	159.2
176	77.2	0.0	153.8





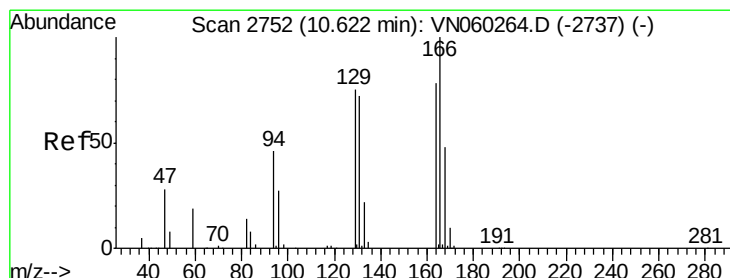
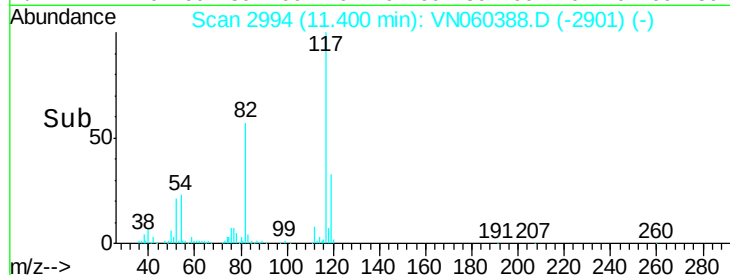
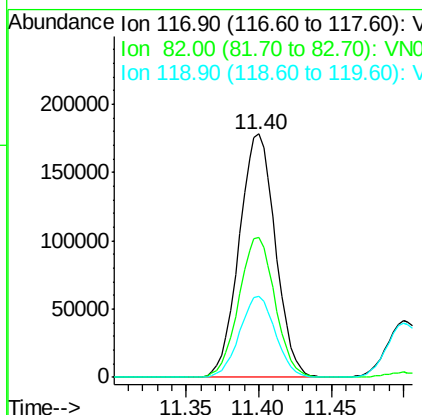
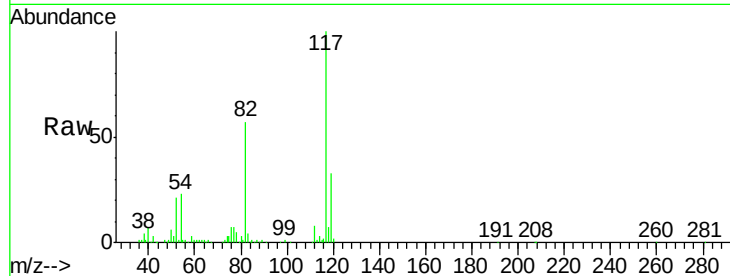
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	309319		
82	57.4	45.8	68.6	
119	33.2	25.8	38.8	

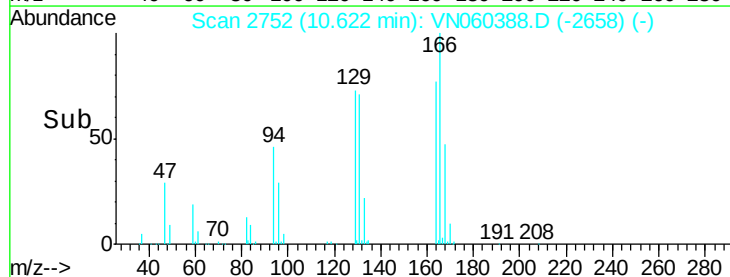
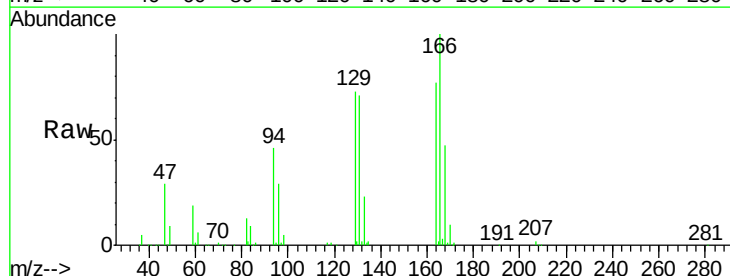
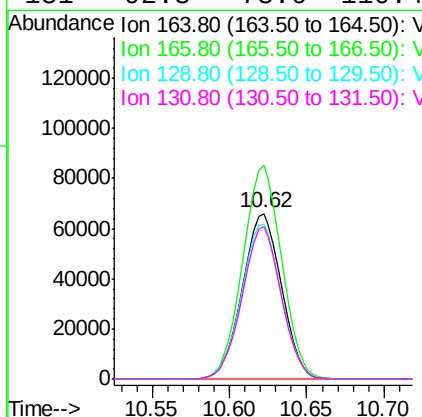
Manual Integrations
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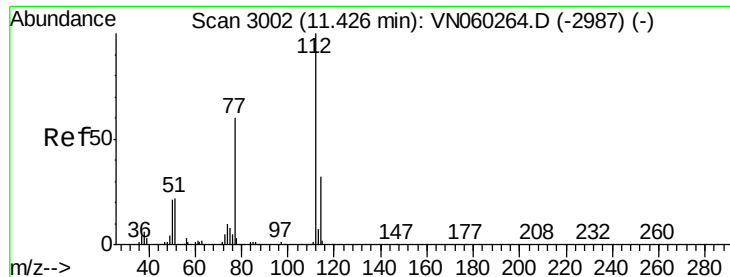
MMDadoda
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#64
Tetrachloroethene
Concen: 47.732 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116404		
166	129.3	102.0	153.0	
129	93.9	76.4	114.6	
131	92.3	73.6	110.4	





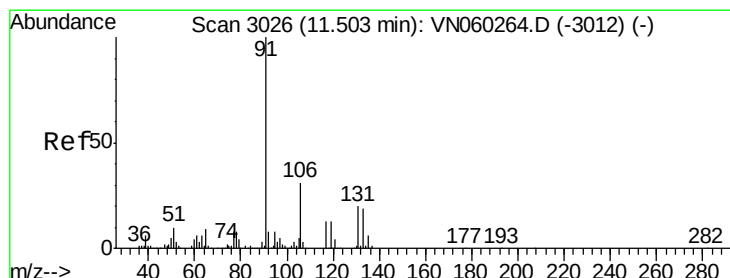
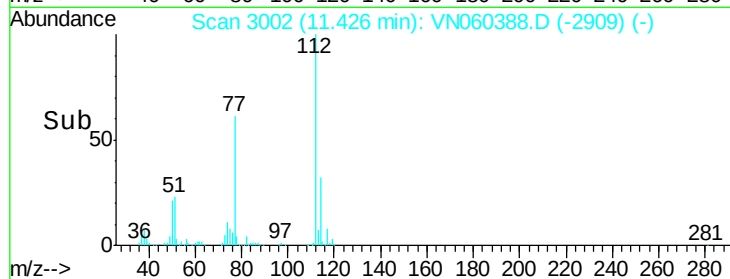
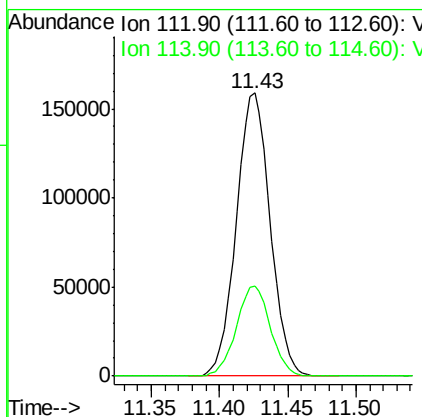
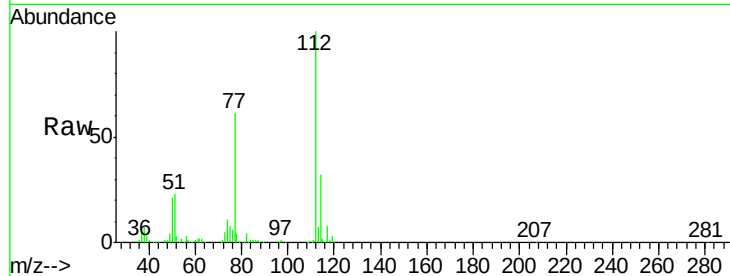
#65
Chlorobenzene
Concen: 43.787 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.0

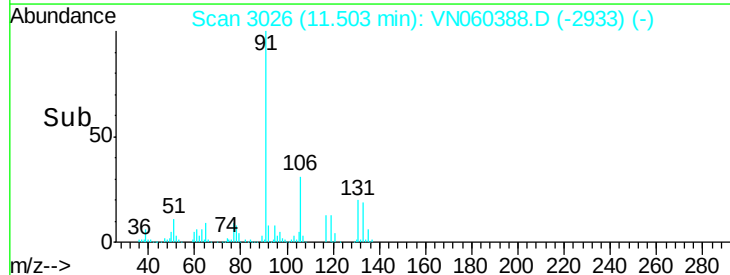
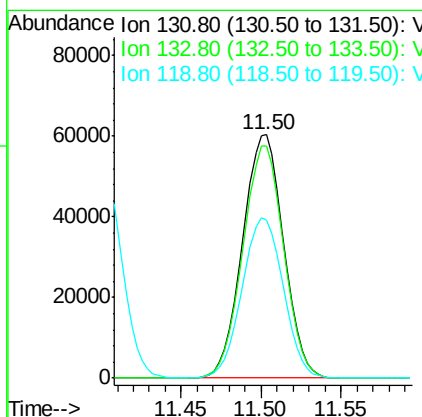
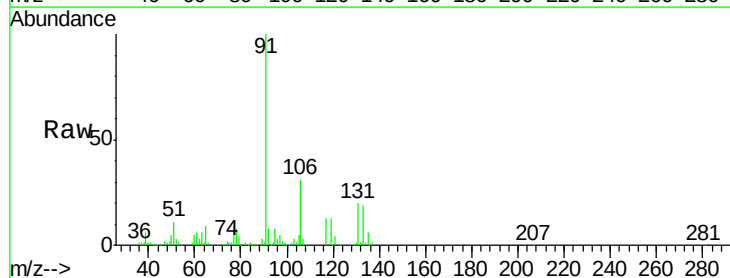
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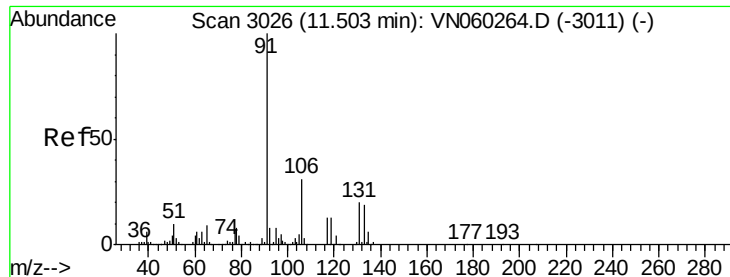
MMDadoda
3/9/2020 11:41:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.803 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.7	143.1
119	66.0	33.2	99.6





#67

Ethyl Benzene

Concen: 44.529 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 506487

Ion Ratio Lower Upper

91 100

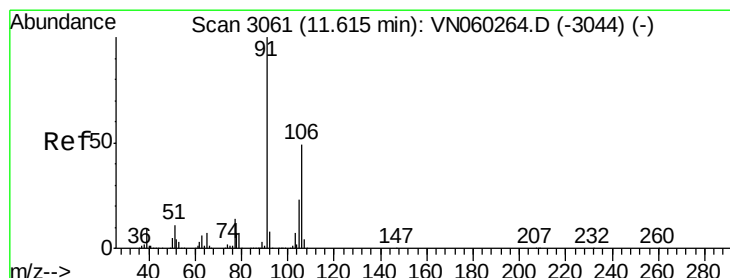
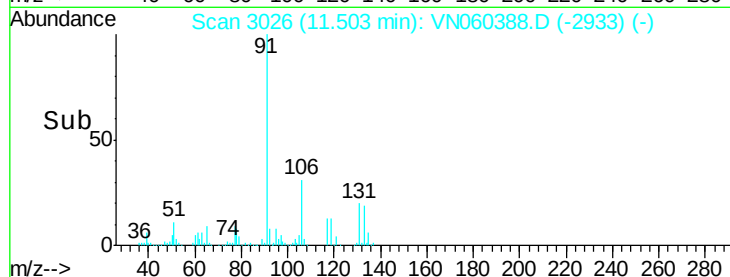
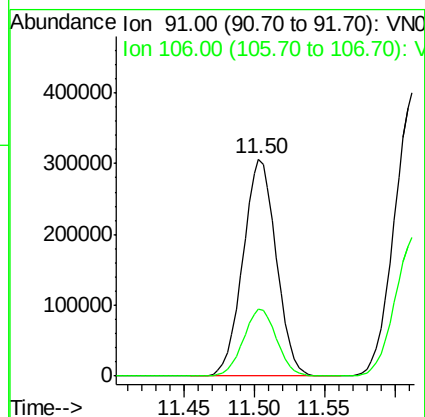
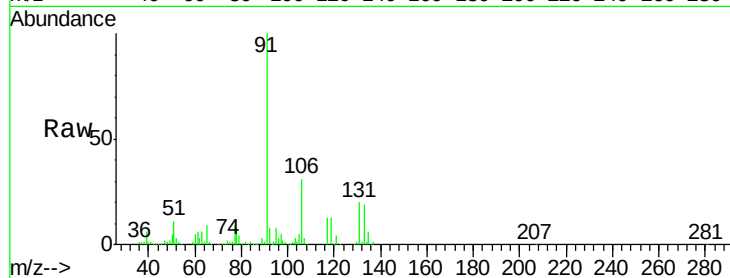
106 30.8 24.7 37.1

Manual Integrations

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MMDadoda

3/9/2020 11:41:30 AM



#68

m/p-Xylenes

Concen: 87.314 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060388.D

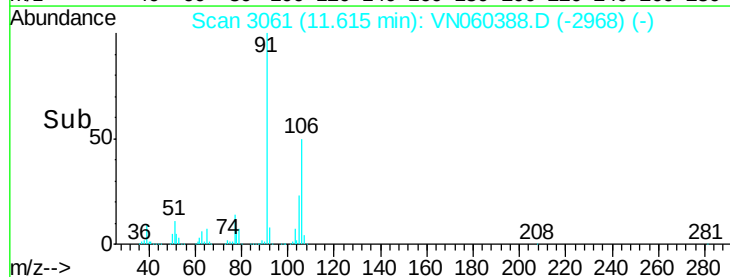
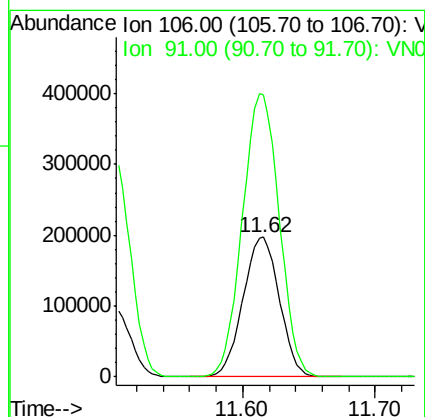
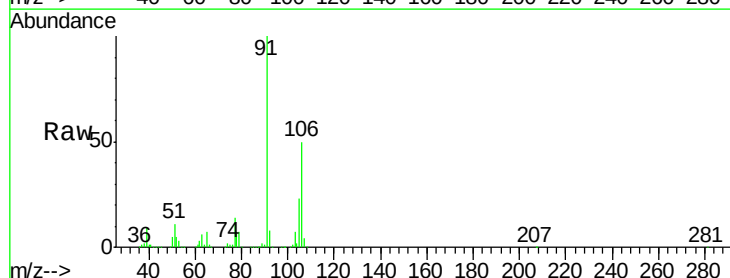
Acq: 6 Mar 2020 18:07

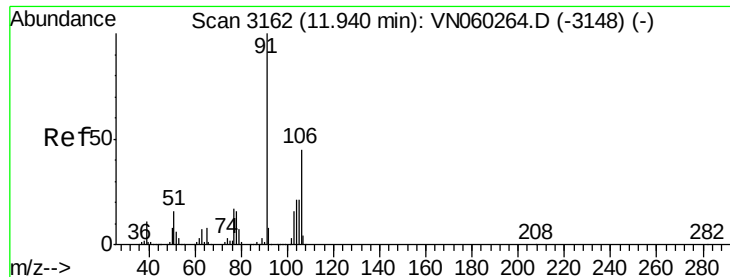
Tgt Ion: 106 Resp: 374704

Ion Ratio Lower Upper

106 100

91 206.1 164.5 246.7





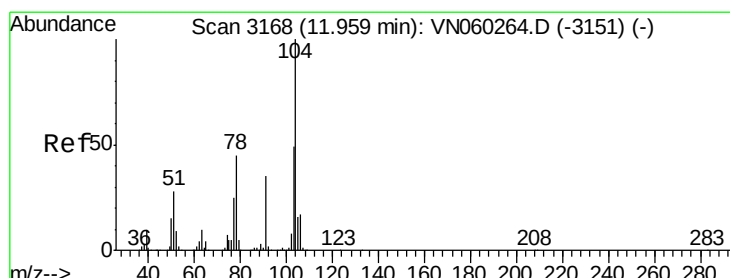
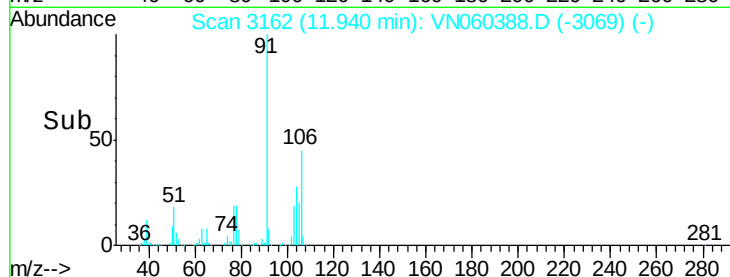
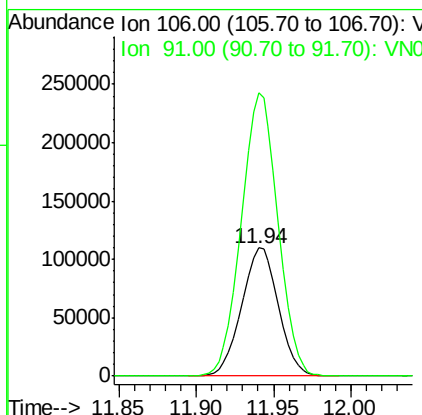
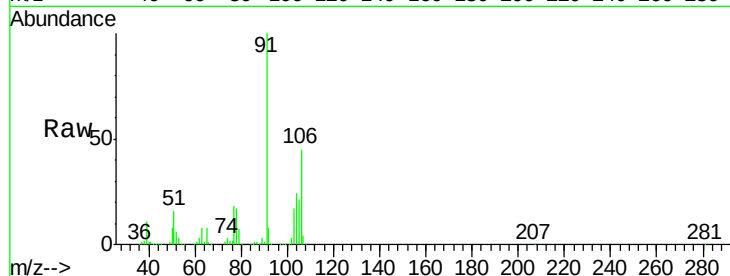
#69
o-Xylene
Concen: 44.372 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		181583		
91	219.7	109.5	328.4		

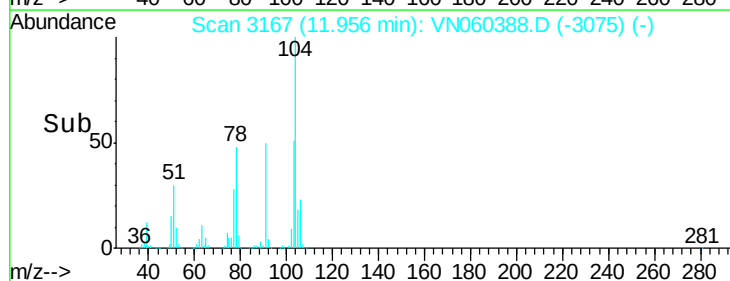
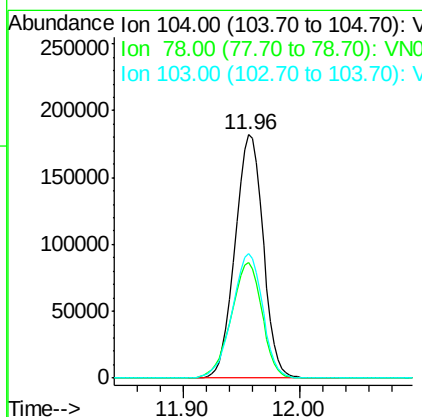
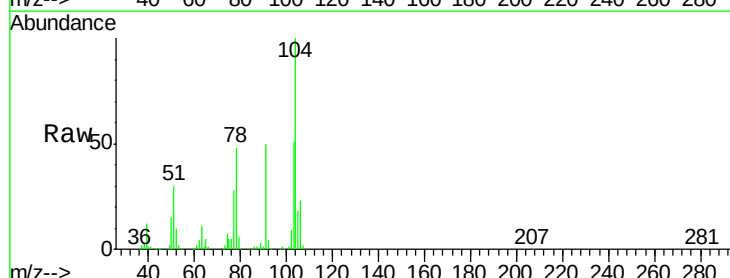
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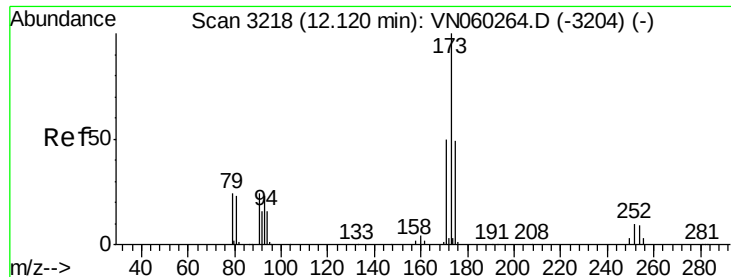
MMDadoda
3/9/2020 11:41:30 AM



#70
Styrene
Concen: 45.434 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		305688		
78	51.9	41.2	61.8		
103	55.1	43.9	65.9		





#71

Bromoform

Concen: 48.683 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 81029

Ion Ratio Lower Upper

173 100

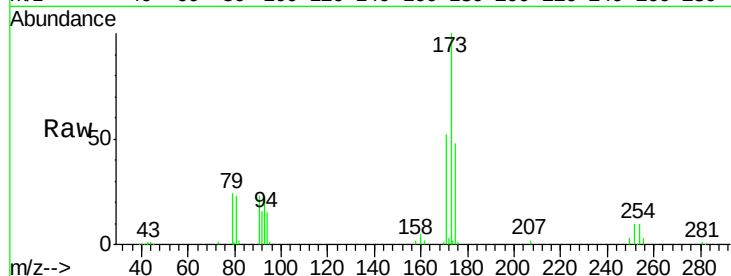
175 48.5 24.1 72.2

254 0.0 0.0 0.0

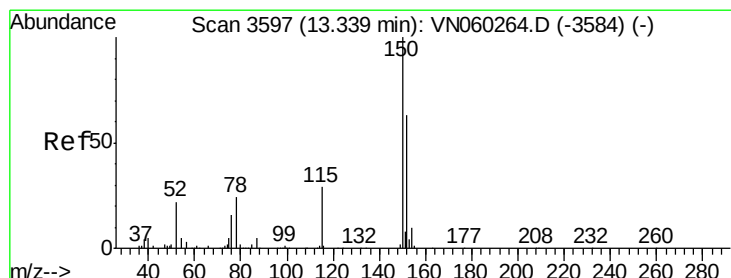
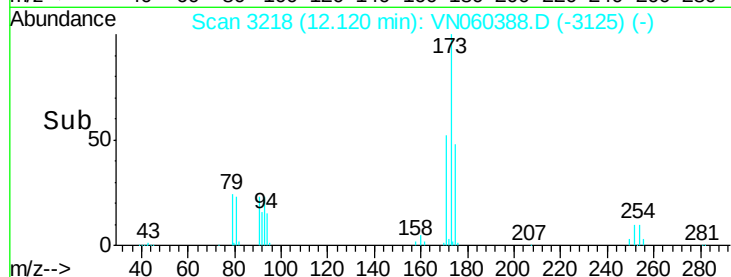
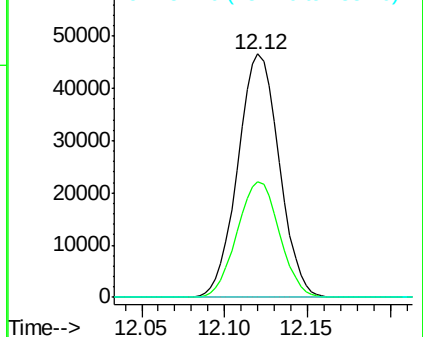
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

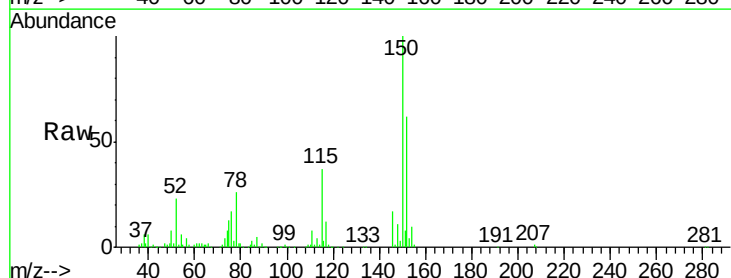
Tgt Ion:152 Resp: 152885

Ion Ratio Lower Upper

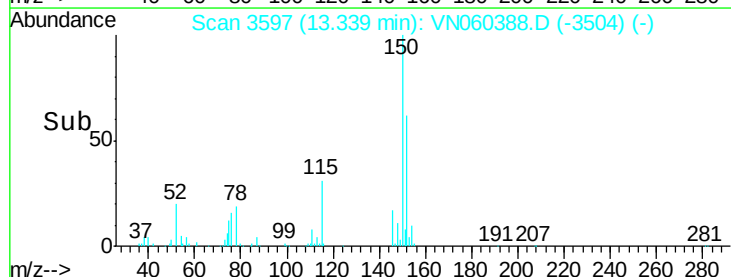
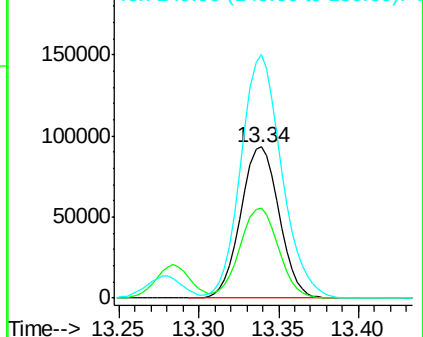
152 100

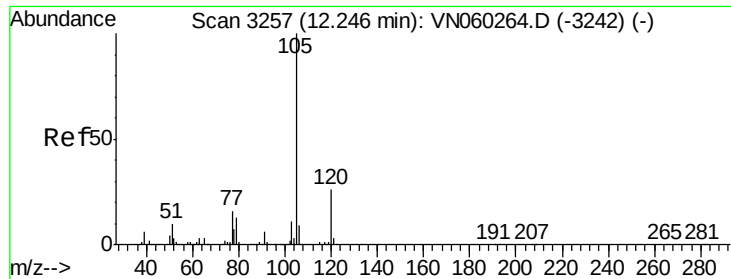
115 59.9 30.0 90.0

150 171.0 0.0 349.6



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





#73

Isopropylbenzene

Concen: 43.558 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

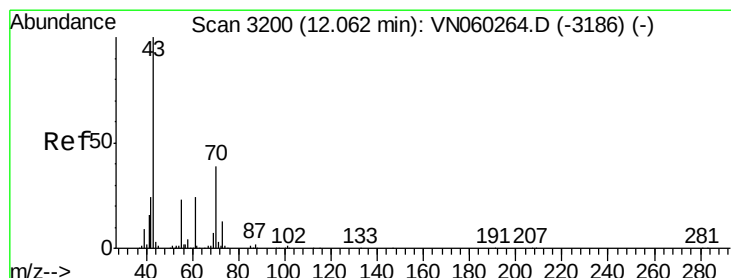
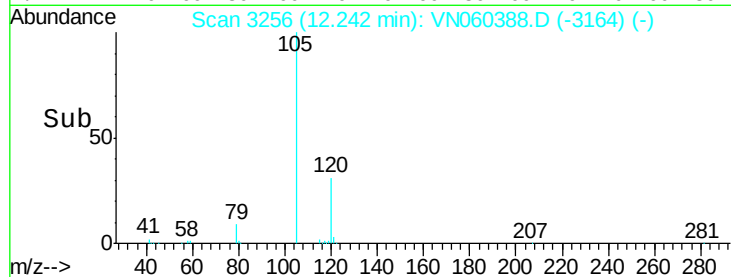
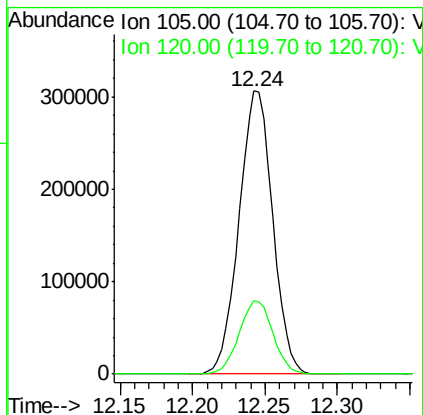
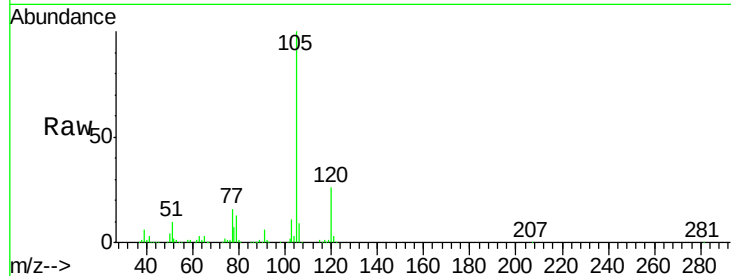
ClientSampleId :

VSTDCCC050EC

Tot Ion:	105	Resp:	493581
Ion Ratio	Lower	Upper	
105	100		
120	26.1	13.0	38.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 46.050 ug/l

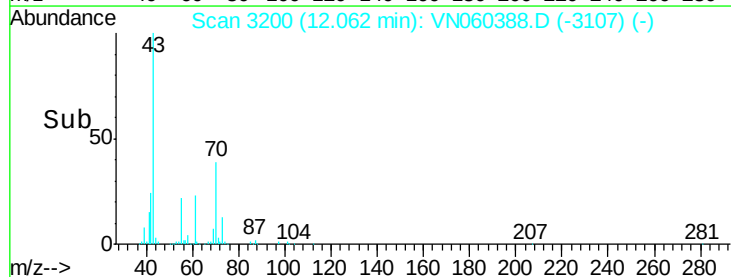
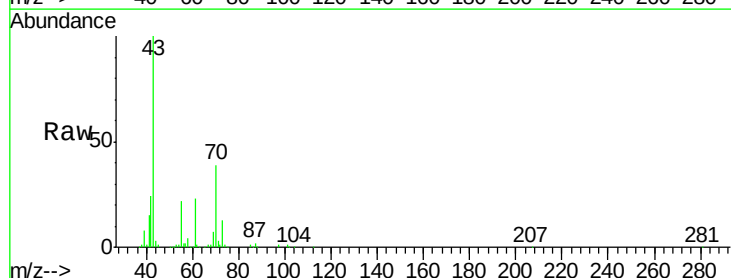
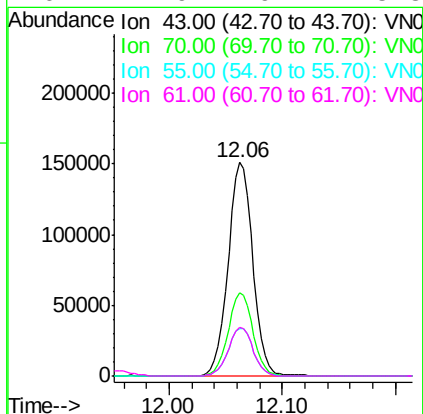
RT: 12.06 min Scan# 3200

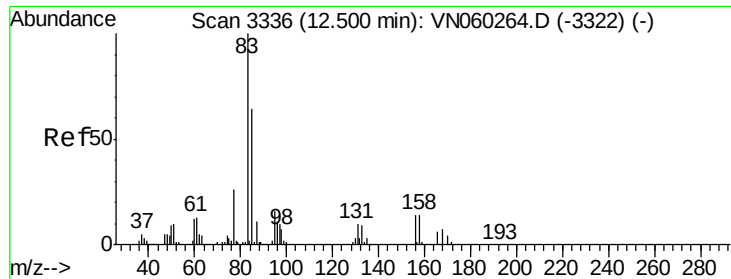
Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion:	43	Resp:	228023
Ion Ratio	Lower	Upper	
43	100		
70	39.1	32.2	48.2
55	22.9	18.2	27.4
61	22.9	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.142 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

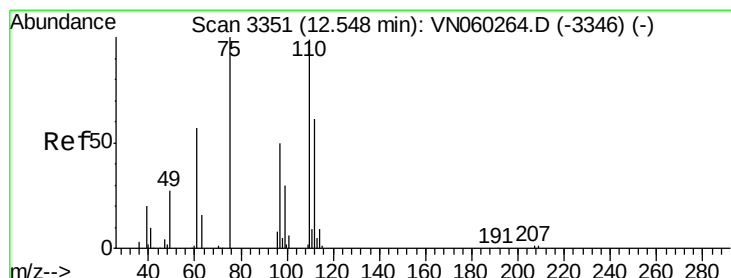
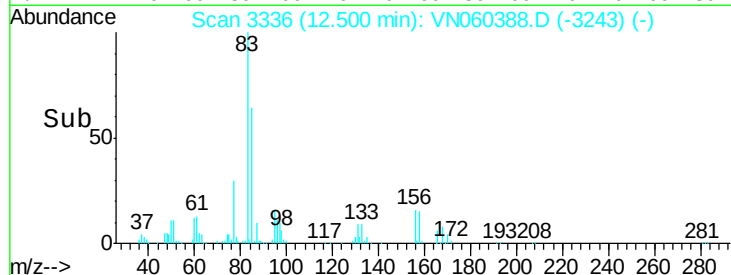
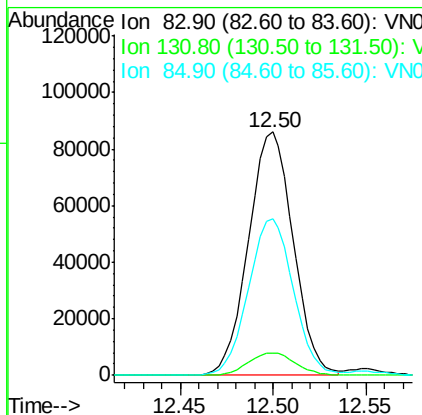
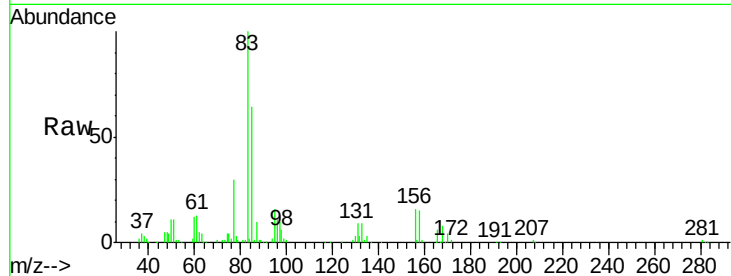
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	145209
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.3
85	64.6	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 40.963 ug/l m

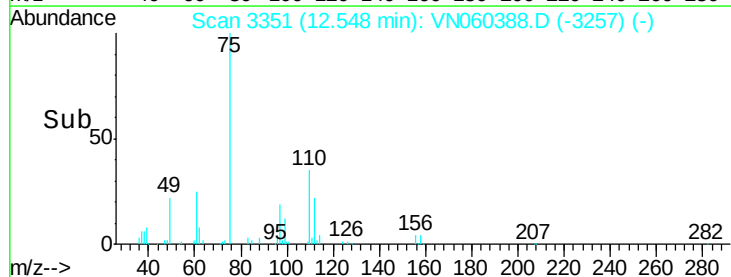
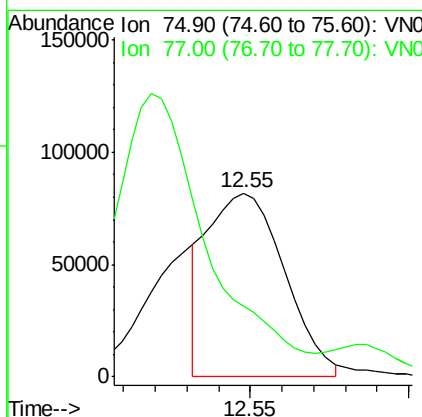
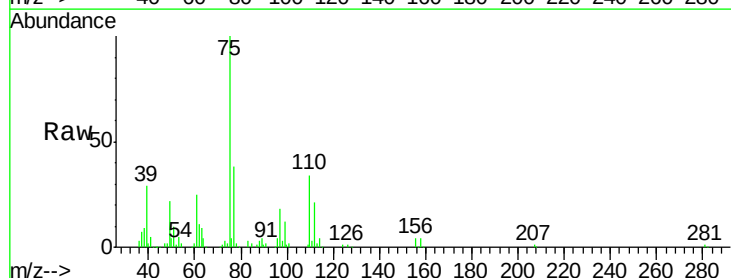
RT: 12.55 min Scan# 3351

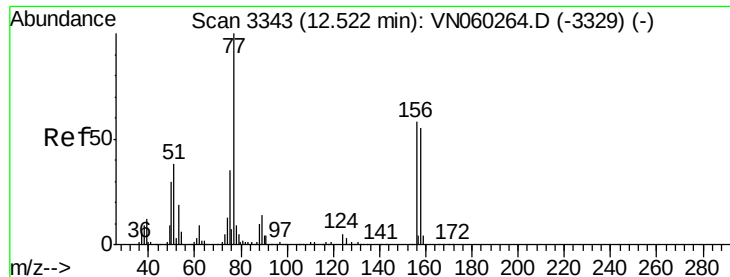
Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion:	75	Resp:	137404
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.283 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

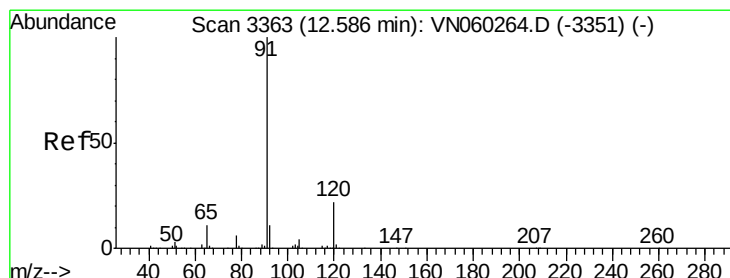
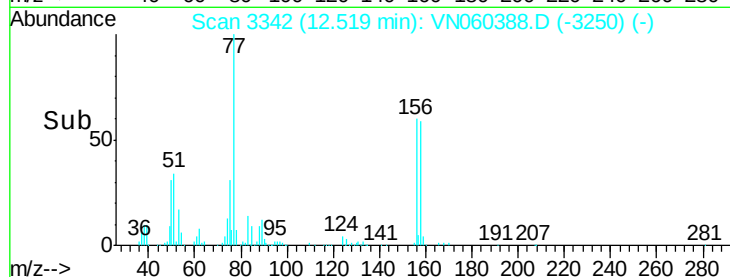
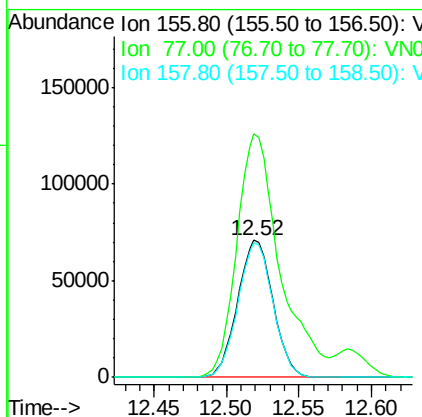
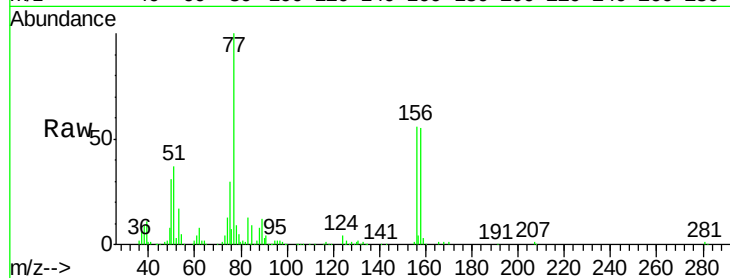
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	120228
Ion Ratio	Lower	Upper	
156	100		
77	217.0	106.1	318.3
158	97.2	48.3	144.8

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#78

n-propylbenzene

Concen: 43.272 ug/l

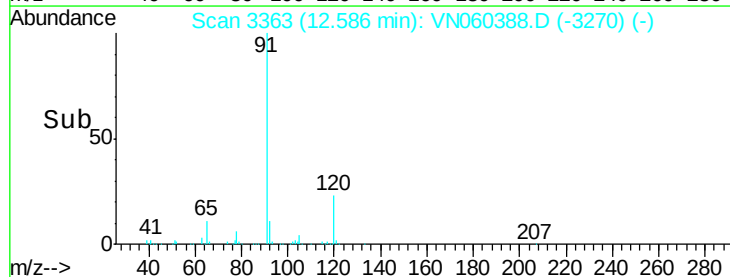
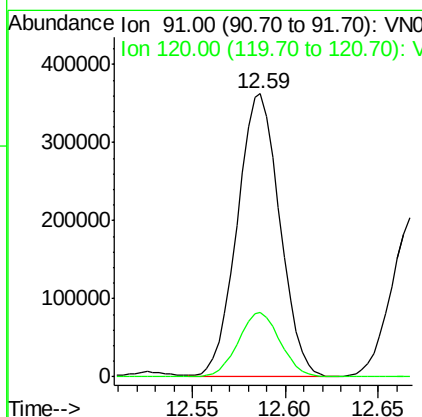
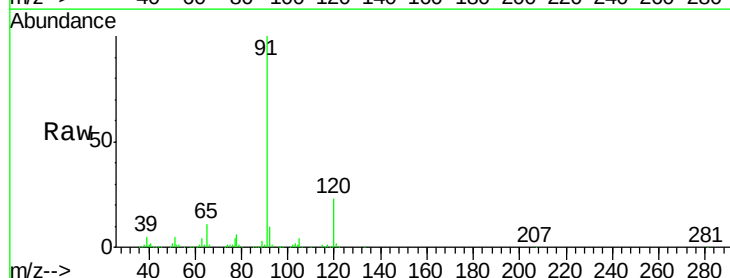
RT: 12.59 min Scan# 3363

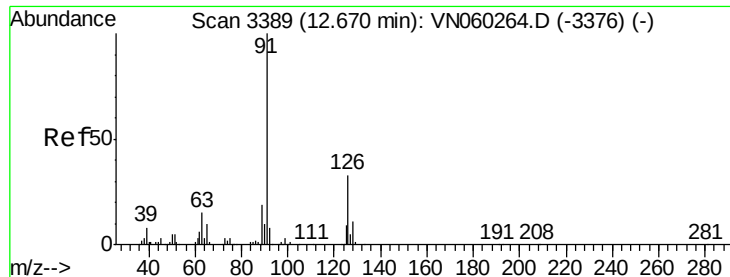
Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion:	91	Resp:	574771
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.9





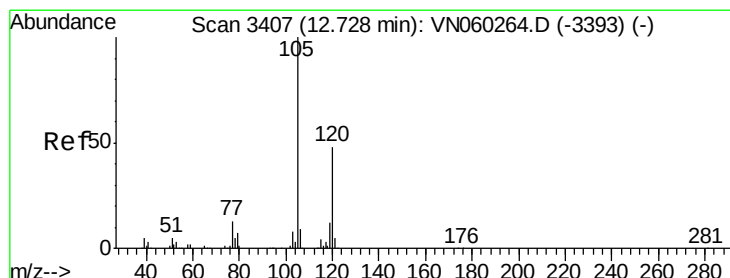
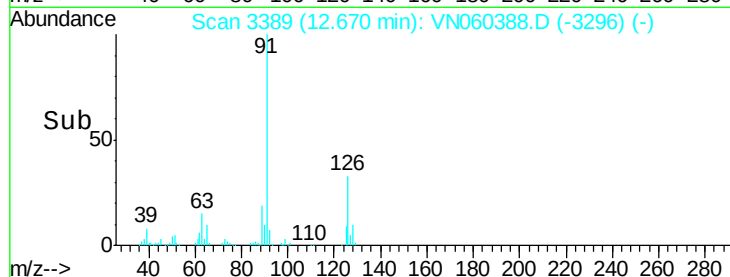
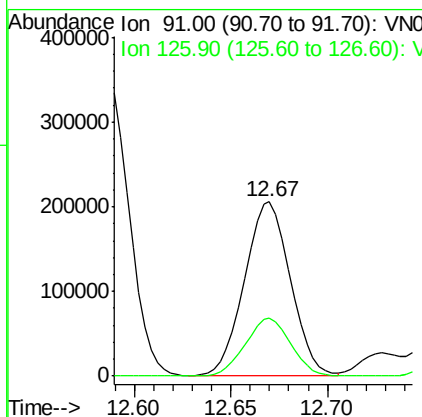
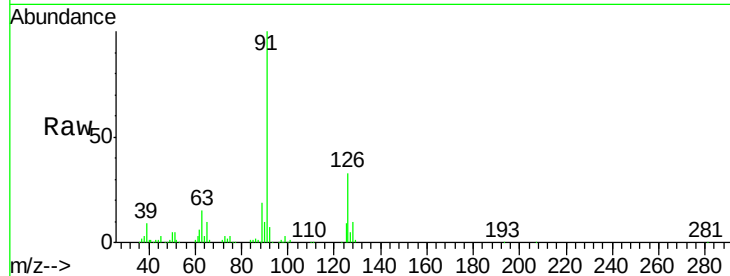
#79
 2-Chlorotoluene
 Concen: 43.518 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 339786
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.6 49.8

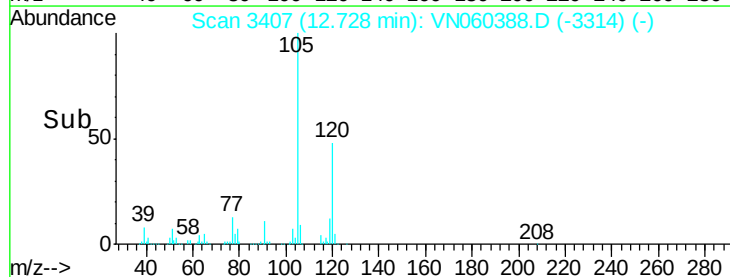
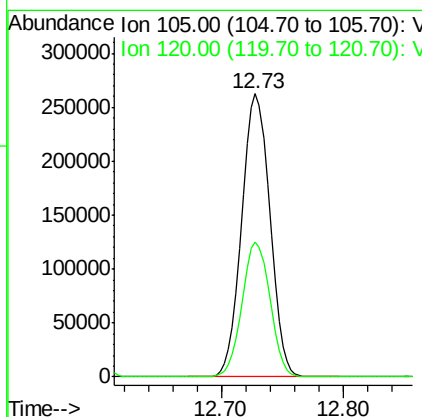
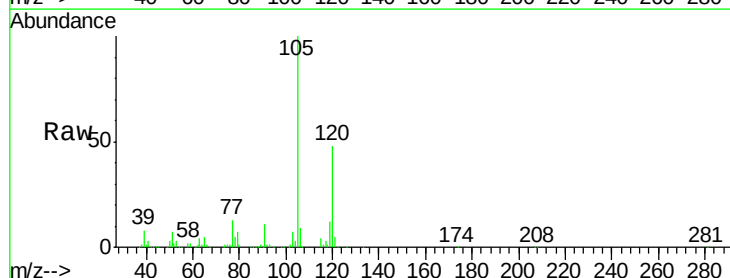
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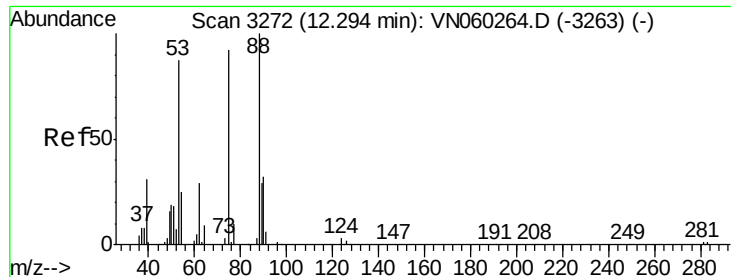
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 3/9/2020 11:41:30 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 43.756 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion: 105 Resp: 417464
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.1 72.4





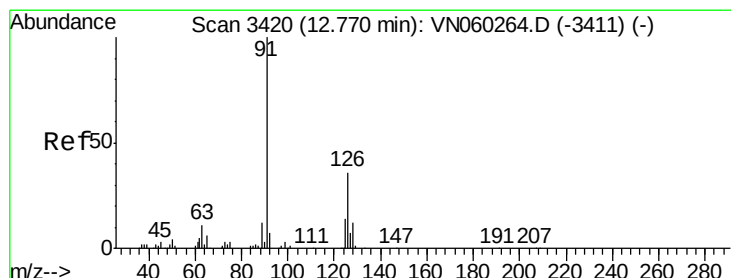
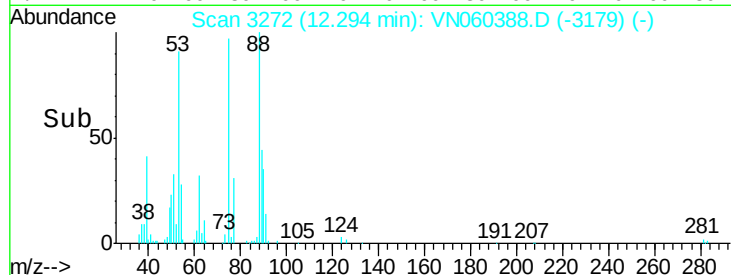
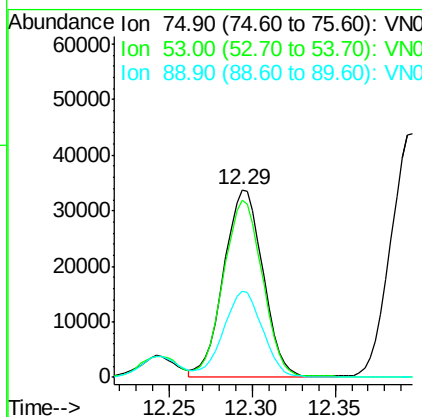
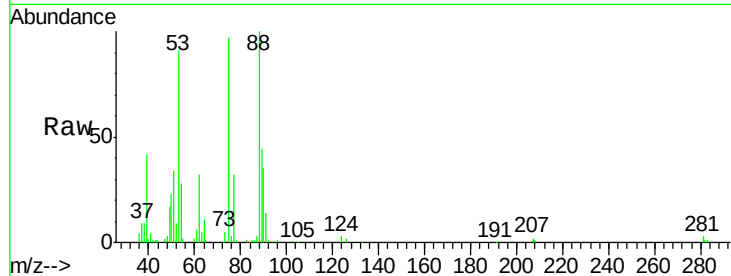
#81
trans-1,4-Dichloro-2-butene
Concen: 46.009 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	73.8	110.6
89	45.4	57.1	85.7#

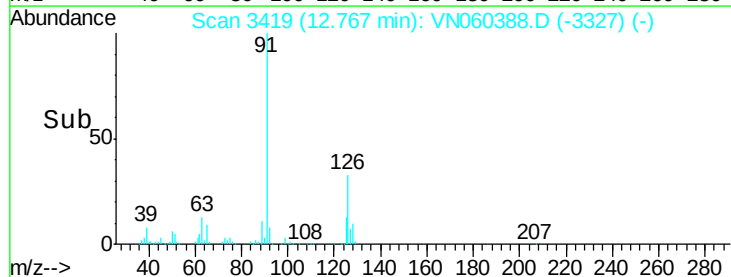
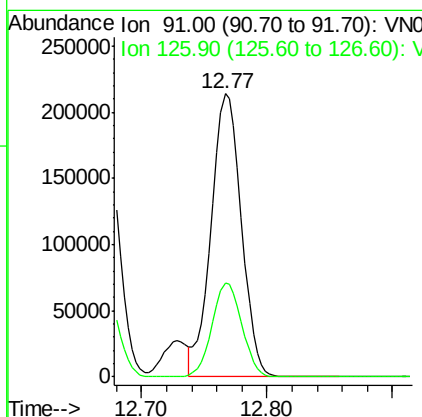
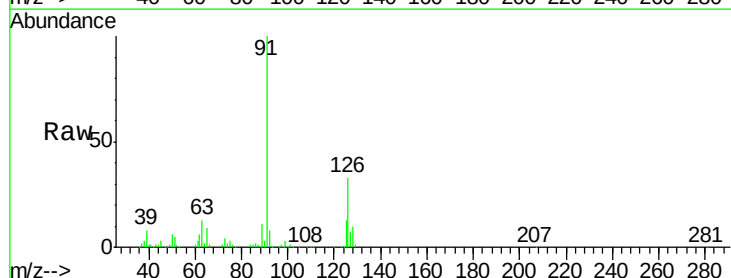
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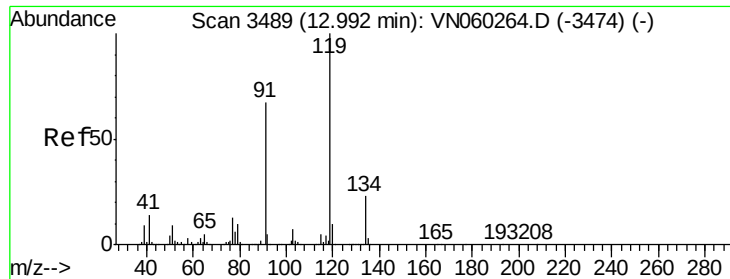
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3/9/2020 11:41:30 AM



#82
4-Chlorotoluene
Concen: 43.413 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.7	50.1





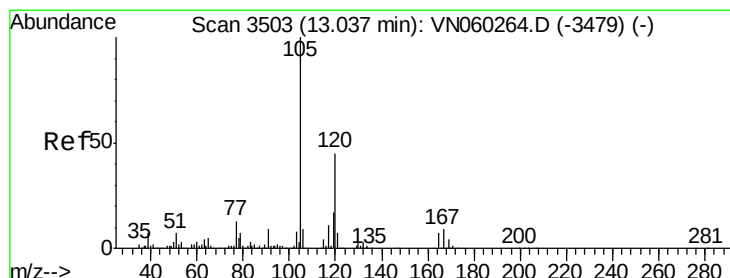
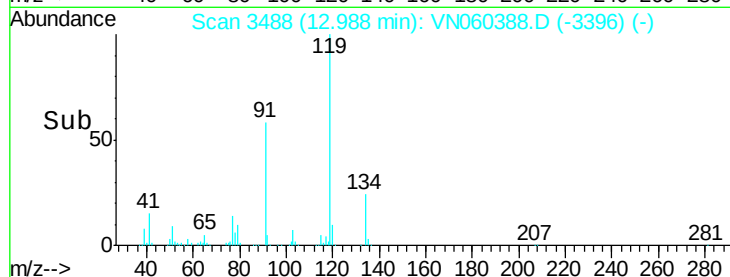
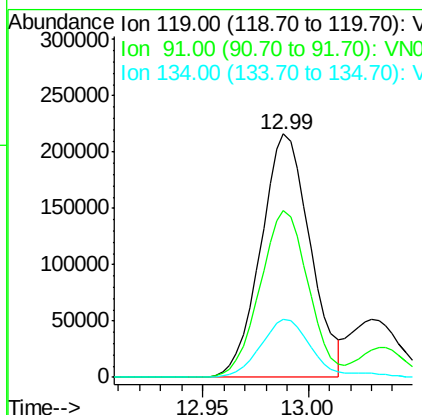
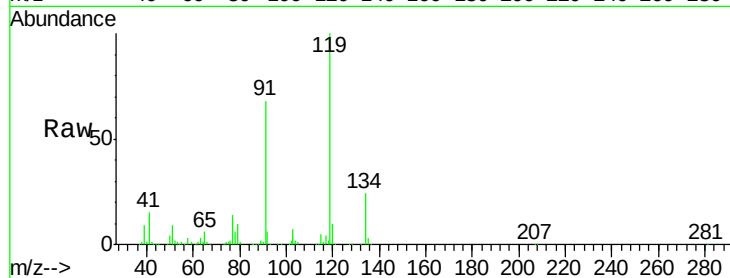
#83
 tert-Butylbenzene
 Concen: 42.565 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.1	99.2
134	25.1	12.4	37.0

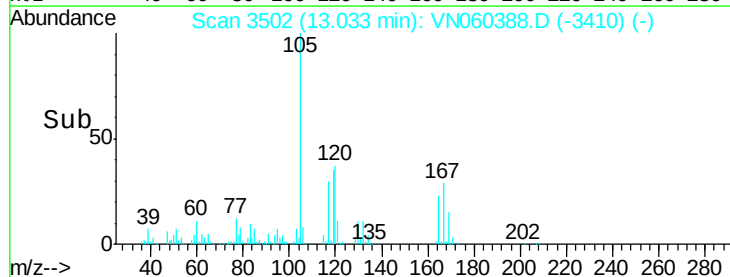
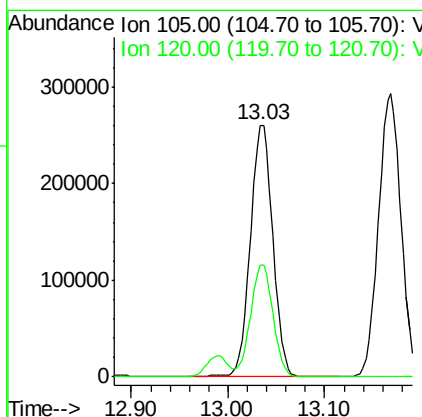
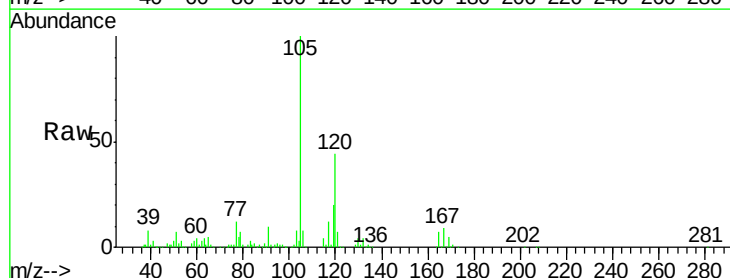
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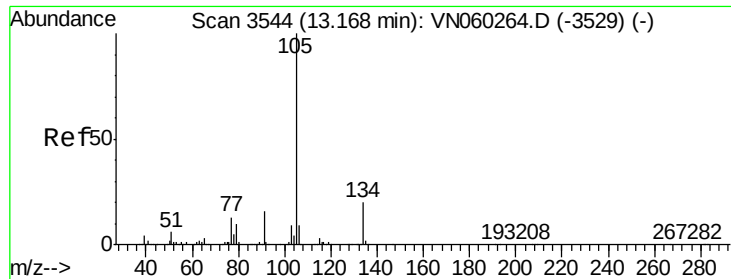
MMDadoda
 3/9/2020 11:41:30 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 43.545 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.9





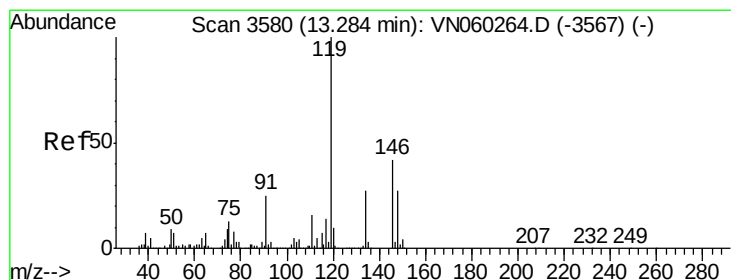
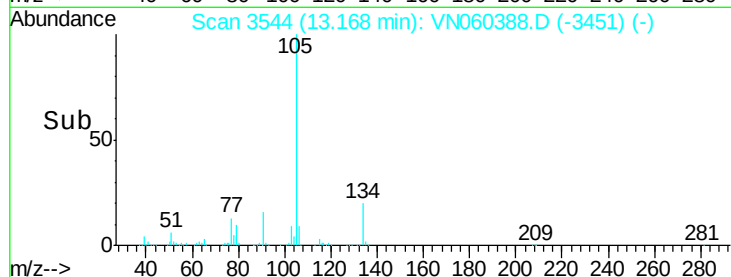
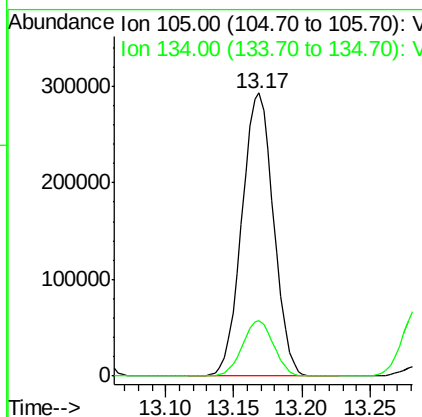
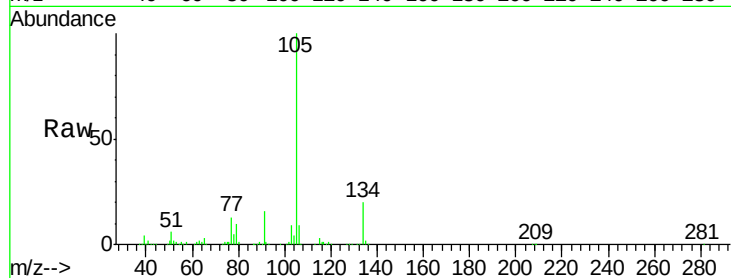
#85
 sec-Butylbenzene
 Concen: 42.623 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

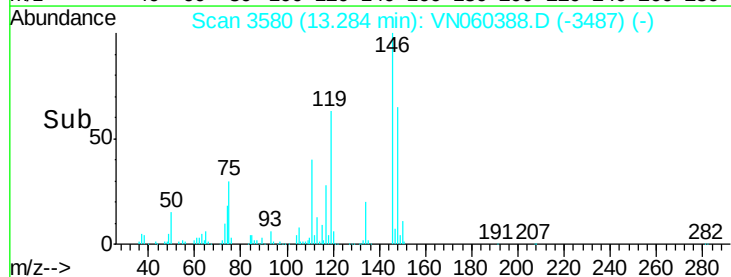
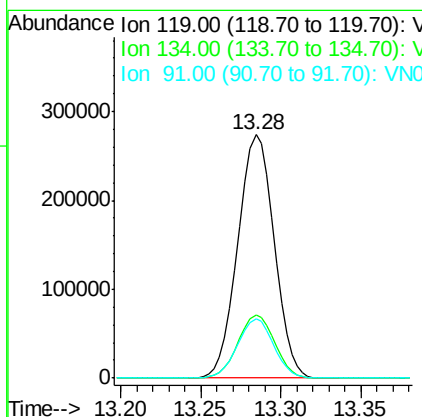
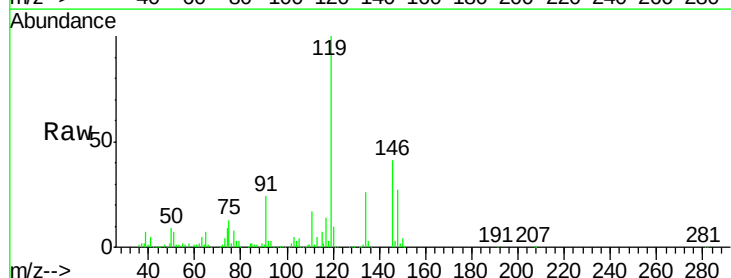
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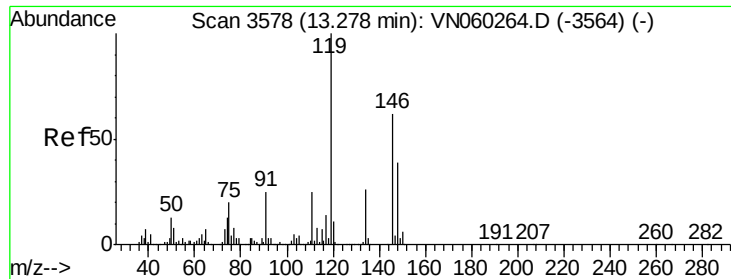
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#86
 p-Isopropyltoluene
 Concen: 41.290 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.6
91	24.2	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 45.163 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060388.D

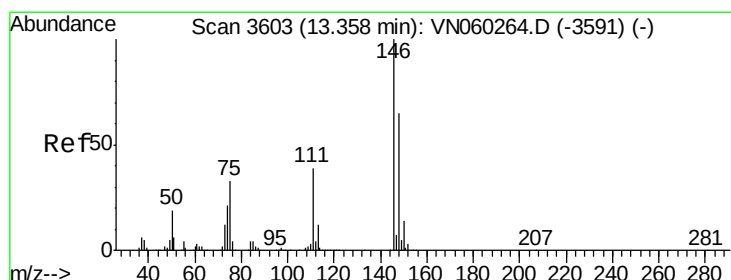
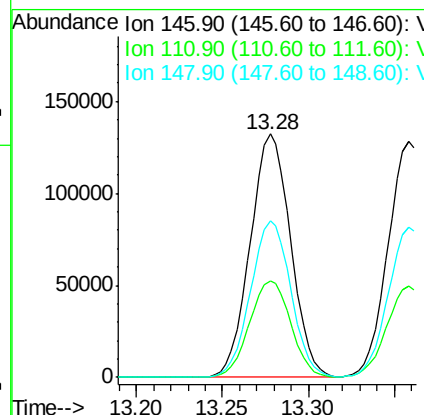
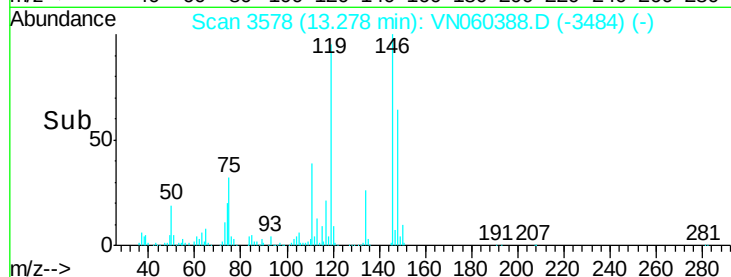
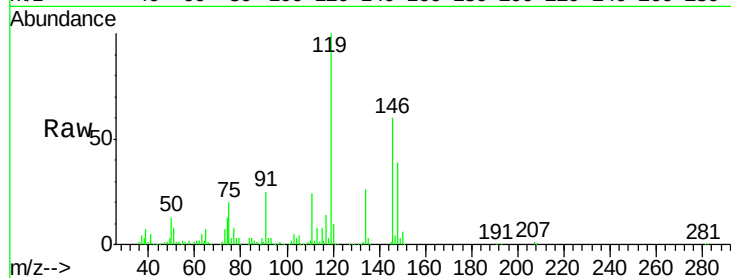
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	64.1	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 45.158 ug/l

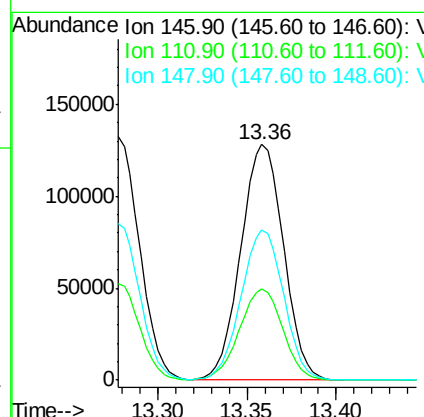
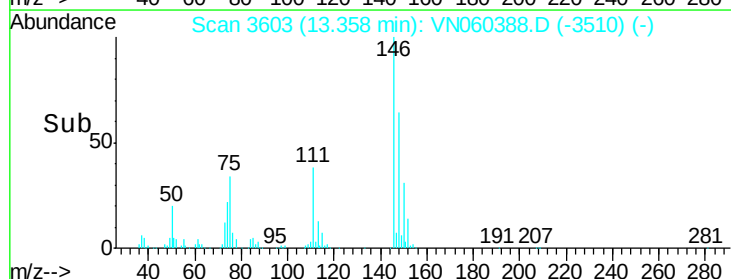
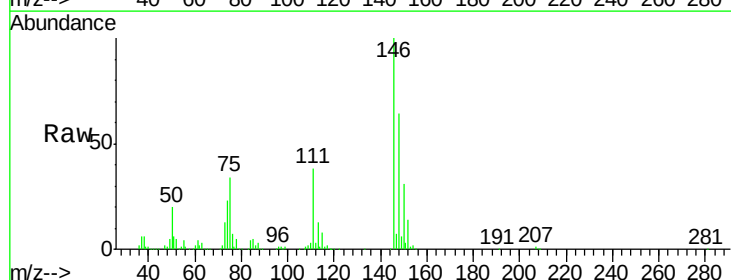
RT: 13.36 min Scan# 3603

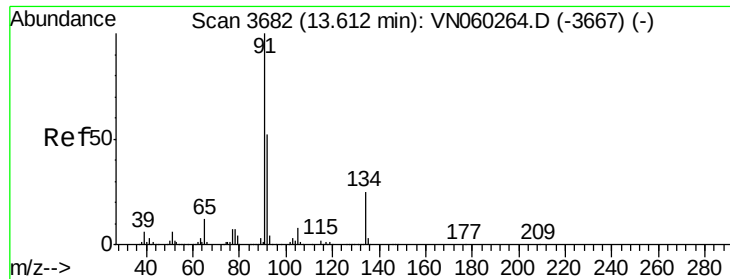
Delta R.T. 0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	63.7	32.3	96.9





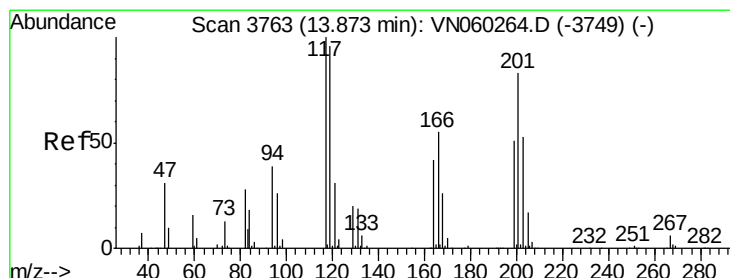
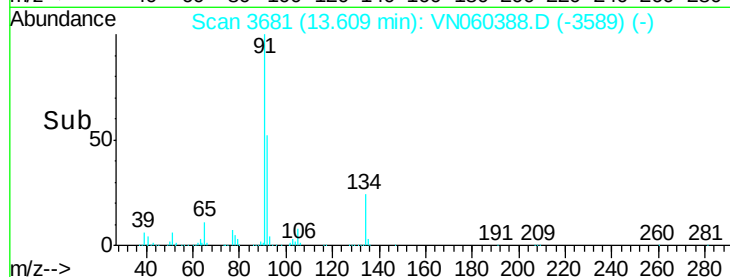
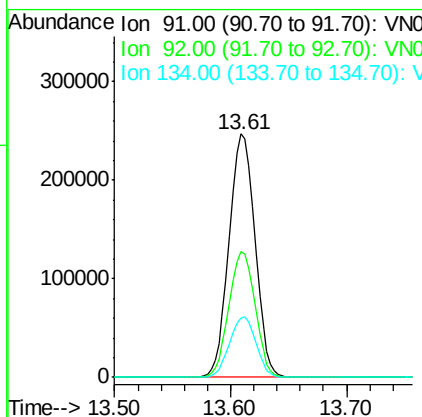
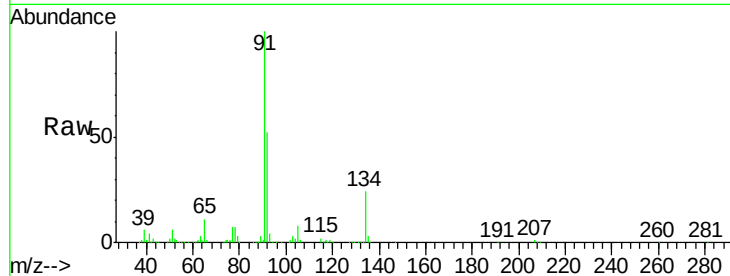
#89
n-Butylbenzene
Concen: 40.556 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	25.1	12.7	38.1

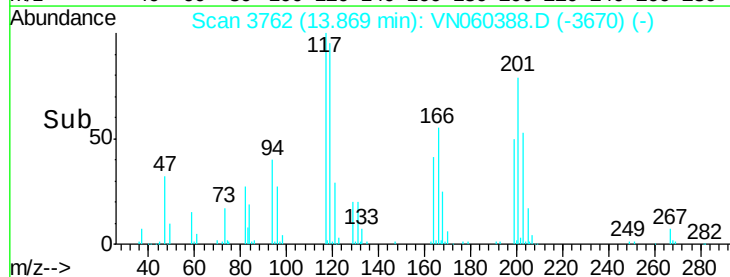
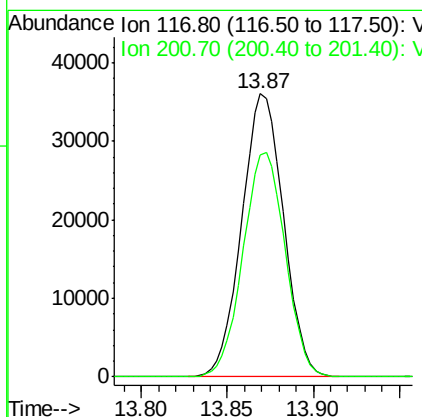
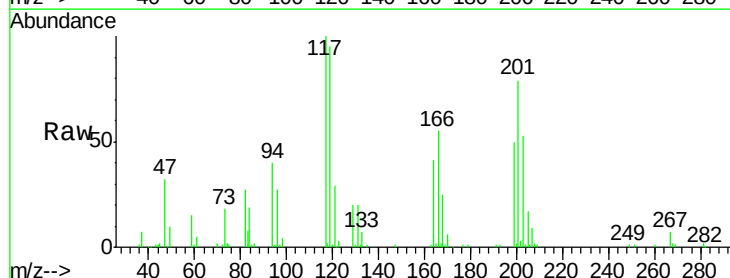
Manual Integrations
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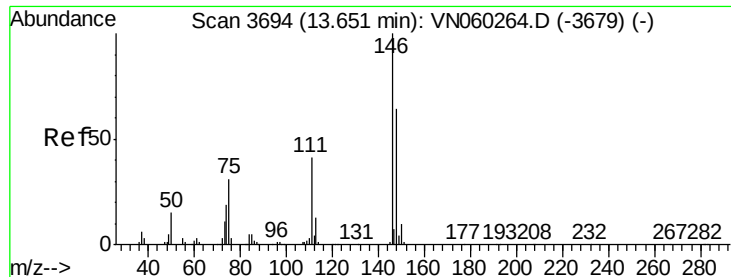
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3/9/2020 11:41:30 AM



#90
Hexachloroethane
Concen: 40.932 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 42.921 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Instrument :

MSVOA_N

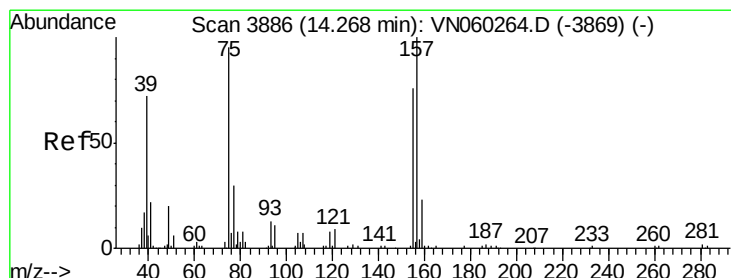
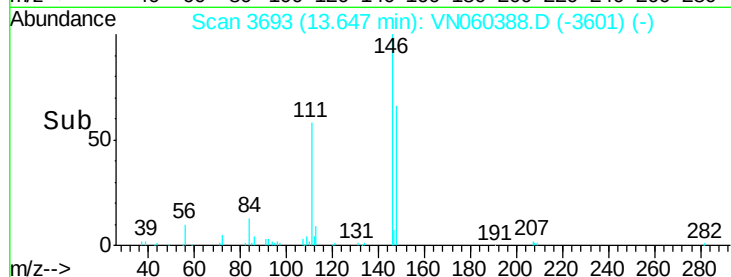
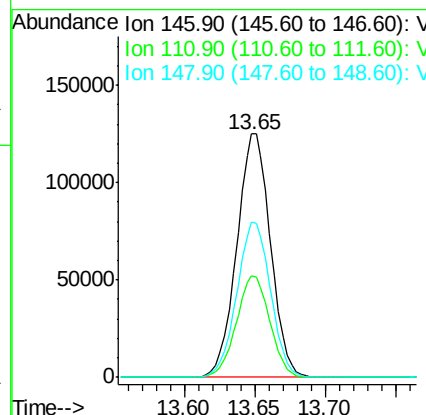
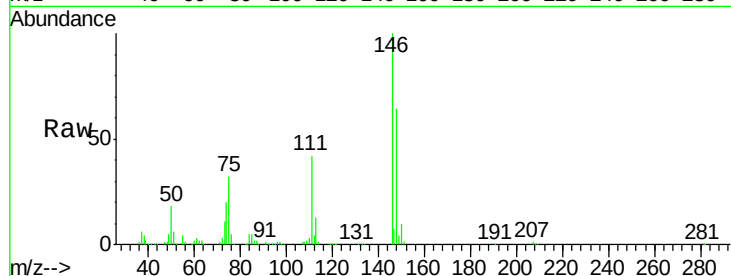
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	208903
Ion Ratio		Lower	Upper
146	100		
111	41.3	20.3	61.0
148	63.8	31.8	95.3

Manual Integrations
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3/9/2020 11:41:30 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.752 ug/l

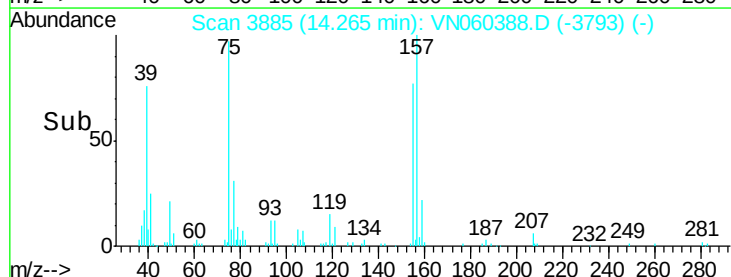
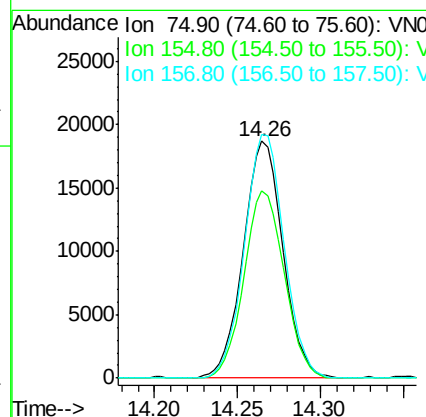
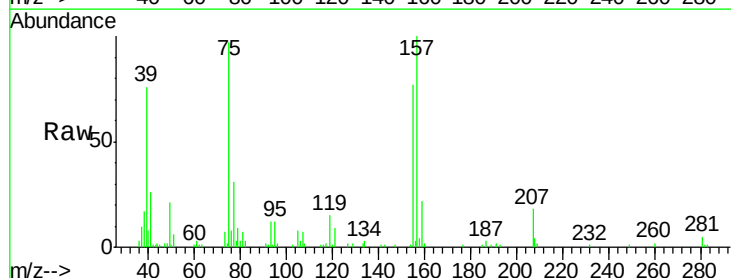
RT: 14.26 min Scan# 3885

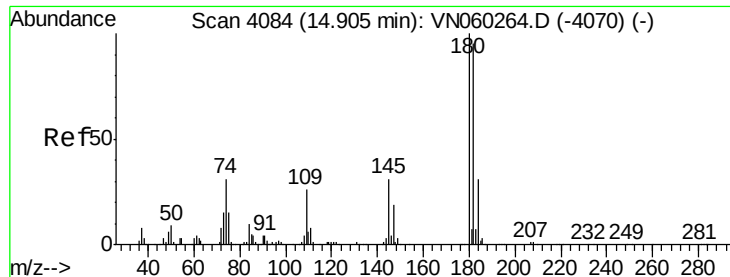
Delta R.T. -0.00 min

Lab File: VN060388.D

Acq: 6 Mar 2020 18:07

Tgt Ion:	75	Resp:	31216
Ion Ratio		Lower	Upper
75	100		
155	80.0	40.4	121.2
157	102.7	52.5	157.5





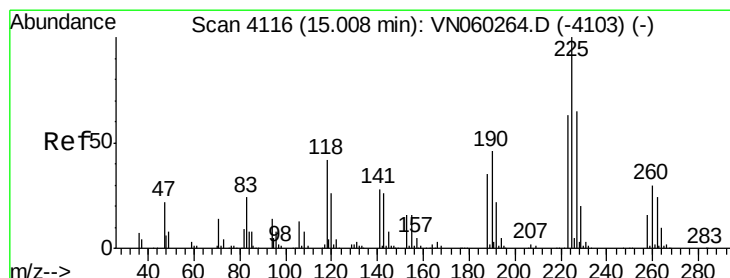
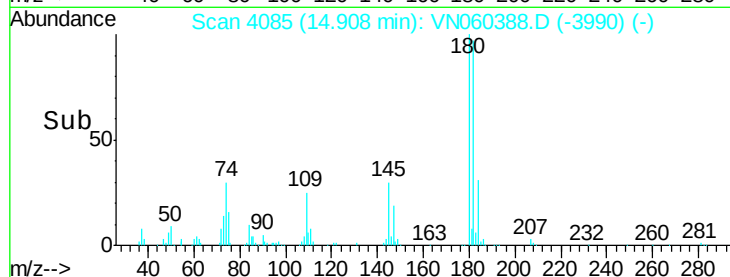
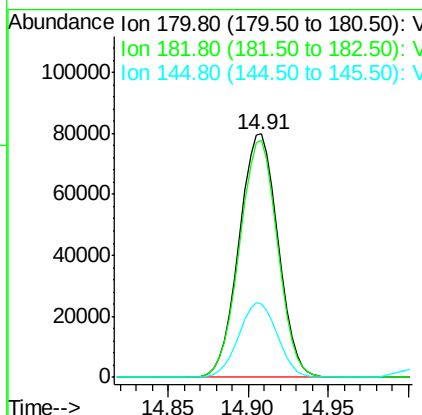
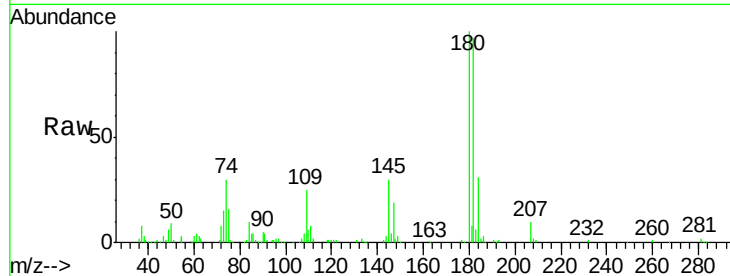
#93
 1,2,4-Trichlorobenzene
 Concen: 42.825 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132405		
182	95.3	47.8	143.3	
145	30.5	15.4	46.1	

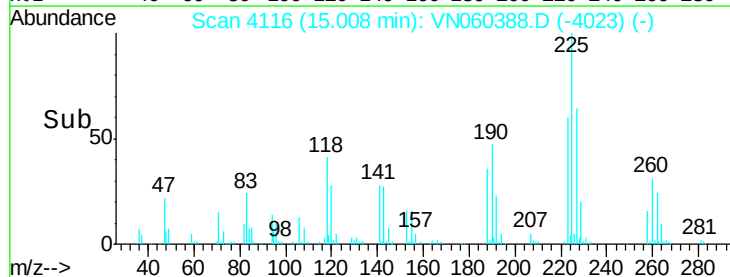
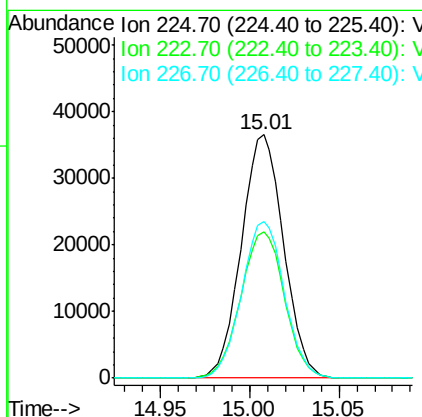
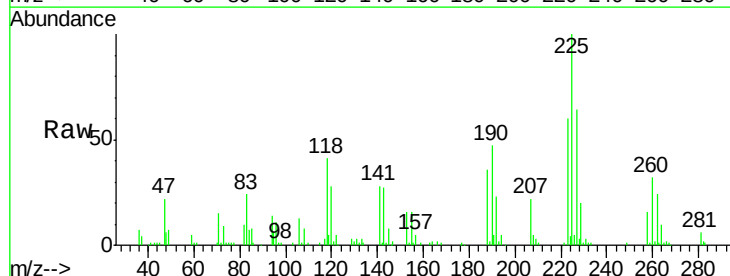
Manual Integrations
 APPROVED

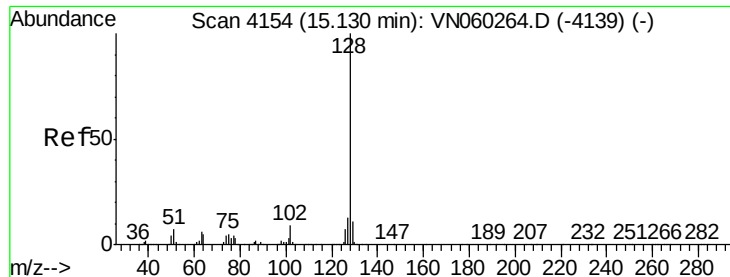
MMDadoda
 3/9/2020 11:41:30 AM



#94
 Hexachlorobutadiene
 Concen: 42.370 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060388.D
 Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60360		
223	62.2	31.3	93.9	
227	64.7	32.3	96.9	





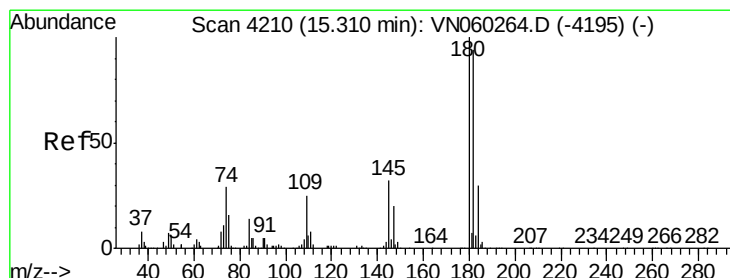
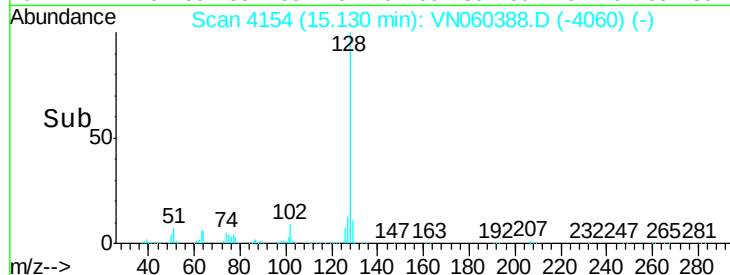
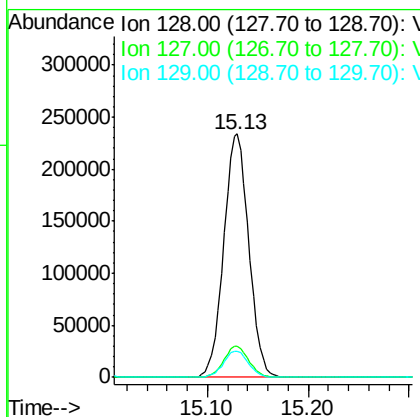
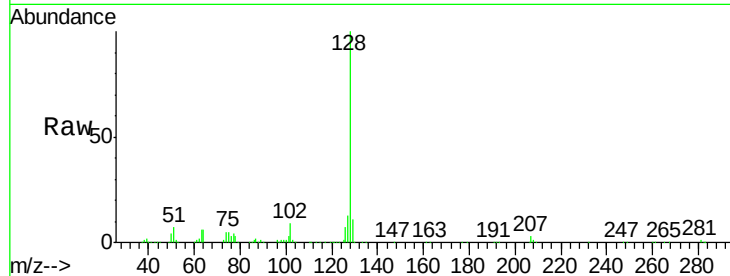
#95
Naphthalene
Concen: 44.430 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/9/2020 11:41:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 43.163 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060388.D
Acq: 6 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	142.0
145	32.1	16.2	48.5

