

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060335.D
 Acq On : 3 Mar 2020 17:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 10:43:40 AM

Quant Time: Mar 04 02:50:02 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	227810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	375765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	352036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	173354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	139551	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	7.57	113	81068	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	10.08	98	413742	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
62) 4-Bromofluorobenzene	12.40	95	160809	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	97589	46.723	ug/l	100
3) Chloromethane	2.04	50	186627	51.321	ug/l	98
4) Vinyl Chloride	2.16	62	141417	45.346	ug/l	98
5) Bromomethane	2.54	94	52691	41.569	ug/l	100
6) Chloroethane	2.68	64	82706	48.947	ug/l	95
7) Trichlorofluoromethane	3.00	101	183120	45.958	ug/l	100
8) Diethyl Ether	3.38	74	73119	48.603	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	103126	45.732	ug/l	99
10) Methyl Iodide	3.93	142	97246	47.251	ug/l	100
11) Tert butyl alcohol	4.73	59	95952	221.086	ug/l	99
12) 1,1-Dichloroethene	3.72	96	105829	48.352	ug/l	99
13) Acrolein	3.58	56	95882	236.812	ug/l	99
14) Allyl chloride	4.30	41	179248	44.419	ug/l	93
15) Acrylonitrile	4.94	53	293160	256.270	ug/l	98
16) Acetone	3.78	43	238024	252.178	ug/l	100
17) Carbon Disulfide	4.03	76	269004	46.264	ug/l	100
18) Methyl Acetate	4.29	43	143171	45.453	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	385057	48.458	ug/l	99
20) Methylene Chloride	4.52	84	119811	46.220	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	111408	47.356	ug/l	96
22) Diisopropyl ether	5.92	45	401932	49.172	ug/l	100
23) Vinyl Acetate	5.86	43	1601398	246.547	ug/l	99
24) 1,1-Dichloroethane	5.82	63	219538	47.447	ug/l	100
25) 2-Butanone	6.80	43	379519	248.934	ug/l	100
26) 2,2-Dichloropropane	6.80	77	193294	45.888	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	132827	44.191	ug/l	100
28) Bromochloromethane	7.17	49	91754	48.298	ug/l	98
29) Tetrahydrofuran	7.18	42	257579	242.963	ug/l	100
30) Chloroform	7.35	83	216931	47.097	ug/l	99
31) Cyclohexane	7.63	56	189399	47.911	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	192948	47.279	ug/l	99
36) 1,1-Dichloropropene	7.77	75	160116	44.710	ug/l	99
37) Ethyl Acetate	6.90	43	165363	48.766	ug/l	100
38) Carbon Tetrachloride	7.75	117	158948	45.586	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	188677	44.684	ug/l	99
40) Benzene	8.02	78	482640	46.304	ug/l	100
41) Methacrylonitrile	7.15	41	77115m	49.252	ug/l	
42) 1,2-Dichloroethane	8.10	62	172227	45.789	ug/l	99
43) Isopropyl Acetate	8.14	43	285895	48.159	ug/l	99
44) Trichloroethene	8.82	130	130044	44.797	ug/l	100
45) 1,2-Dichloropropane	9.10	63	132462	48.606	ug/l	99
46) Dibromomethane	9.19	93	82260	46.519	ug/l	98
47) Bromodichloromethane	9.39	83	173476	48.235	ug/l	99
48) Methyl methacrylate	9.18	41	128041	47.298	ug/l	98
49) 1,4-Dioxane	9.18	88	30809	809.287	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	831775	247.120	ug/l	100
52) Toluene	10.14	92	304023	46.433	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	202930	46.049	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	213199	46.689	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	121663	46.206	ug/l	98
56) Ethyl methacrylate	10.42	69	192351	50.849	ug/l	98
57) 1,3-Dichloropropane	10.70	76	207251	48.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	465370	235.222	ug/l	100
59) 2-Hexanone	10.74	43	601769	243.502	ug/l	99
60) Dibromochloromethane	10.89	129	130292	48.658	ug/l	99
61) 1,2-Dibromoethane	11.00	107	123189	47.994	ug/l	98
64) Tetrachloroethene	10.62	164	132166	47.616	ug/l	99
65) Chlorobenzene	11.43	112	319282	44.916	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	123338	46.926	ug/l	99
67) Ethyl Benzene	11.51	91	595416	45.995	ug/l	99
68) m/p-Xylenes	11.62	106	440375	90.165	ug/l	99
69) o-Xylene	11.94	106	215463	46.262	ug/l	100
70) Styrene	11.96	104	362425	47.330	ug/l	100
71) Bromoform	12.12	173	93086	49.141	ug/l #	98
73) Isopropylbenzene	12.25	105	583352	45.401	ug/l	100
74) N-amyl acetate	12.07	43	265205	47.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	168043	48.114	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	163935m	43.102	ug/l	
77) Bromobenzene	12.52	156	171516	54.457	ug/l	80
78) n-propylbenzene	12.59	91	691914	45.940	ug/l	100
79) 2-Chlorotoluene	12.67	91	402899	45.509	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	503264	46.521	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66481	48.251	ug/l #	85
82) 4-Chlorotoluene	12.77	91	416746	44.679	ug/l	99
83) tert-Butylbenzene	12.99	119	426638	45.550	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	502182	45.991	ug/l	100
85) sec-Butylbenzene	13.17	105	575460	45.881	ug/l	100
86) p-Isopropyltoluene	13.29	119	518470	44.662	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	255563	47.211	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	255217	47.409	ug/l	100
89) n-Butylbenzene	13.61	91	486721	45.673	ug/l	99
90) Hexachloroethane	13.87	117	72546	43.173	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	250037	45.306	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36059	45.591	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	166349	47.441	ug/l	100
94) Hexachlorobutadiene	15.01	225	77940	48.331	ug/l	99
95) Naphthalene	15.13	128	487860	47.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	158338	47.936	ug/l	100

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

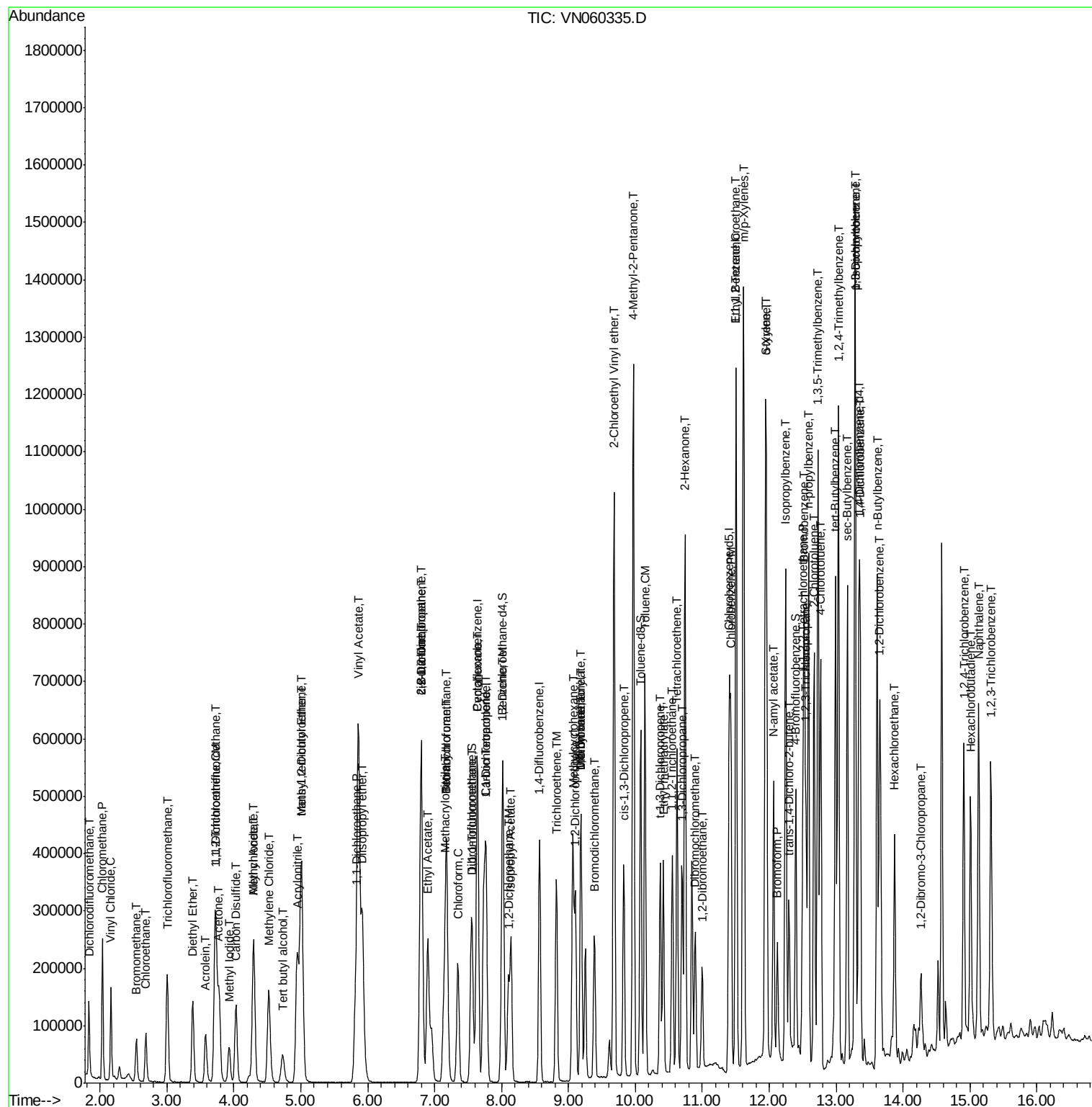
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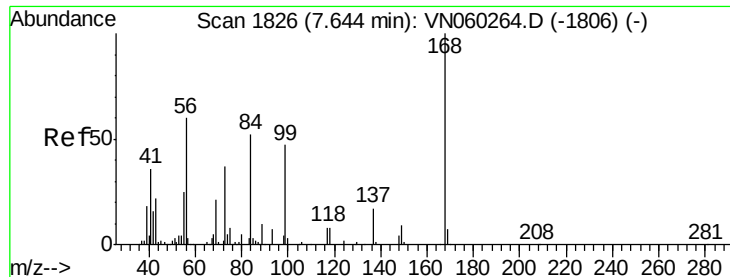
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 227810

Ion Ratio Lower Upper

168 100

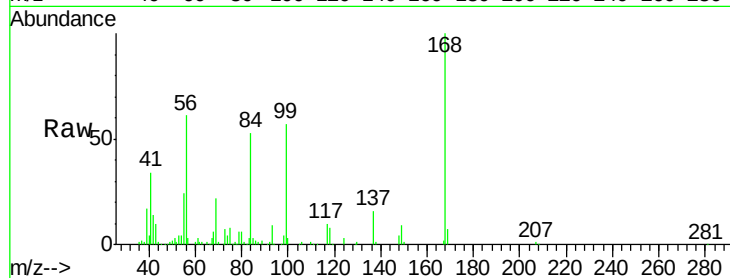
99 56.8 44.7 67.1

Manual Integrations

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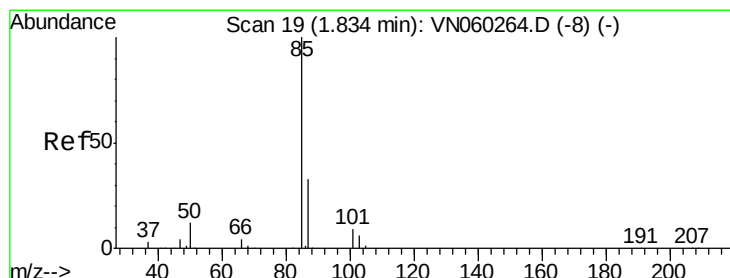
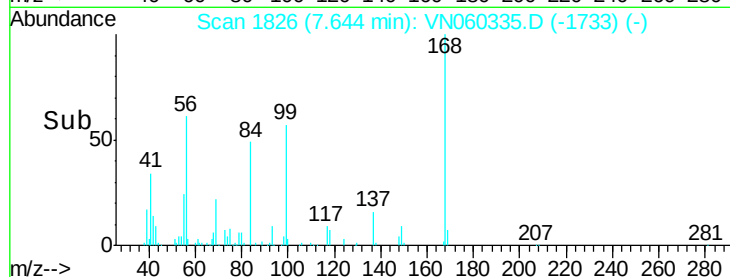
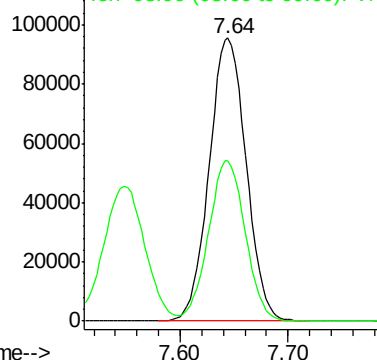
MMDadoda

3/4/2020 10:43:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 46.723 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060335.D

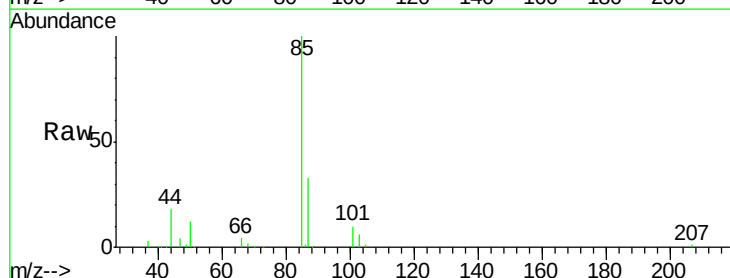
Acq: 3 Mar 2020 17:20

Tgt Ion: 85 Resp: 97589

Ion Ratio Lower Upper

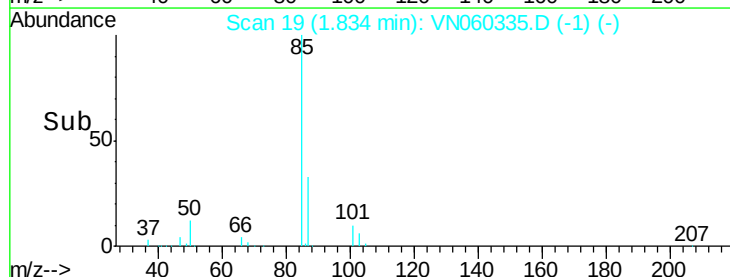
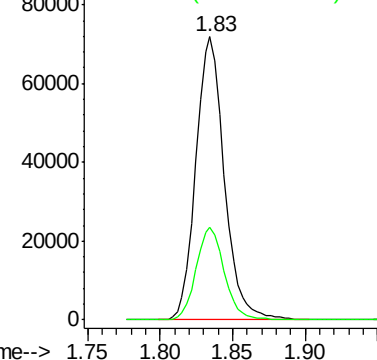
85 100

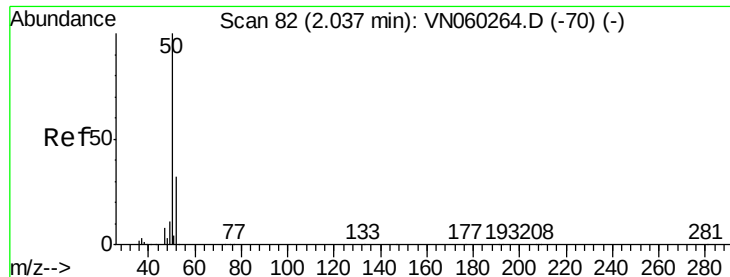
87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 51.321 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

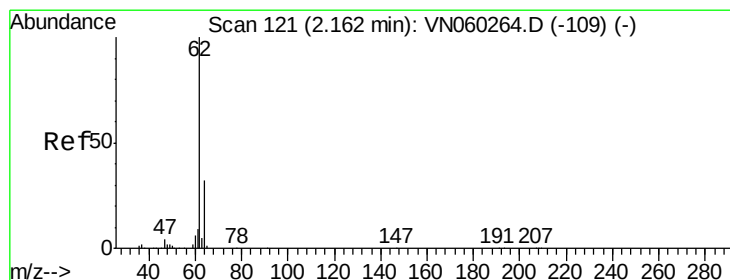
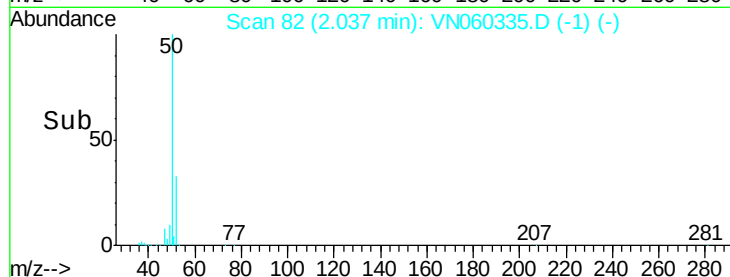
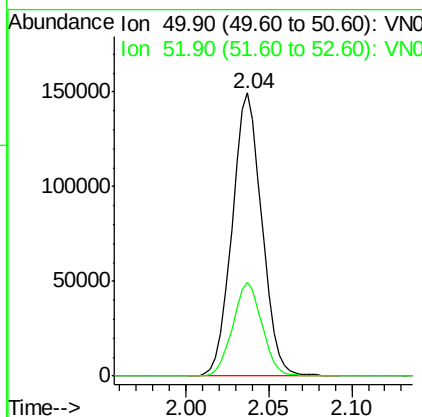
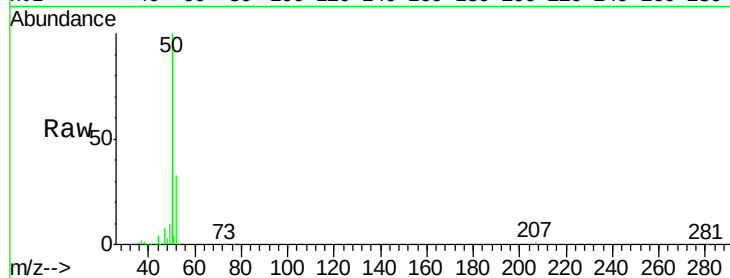
ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 186627
 Ion Ratio Lower Upper
 50 100
 52 33.1 25.6 38.4

Manual Integrations
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 3/4/2020 10:43:40 AM



#4

Vinyl Chloride

Concen: 45.346 ug/l

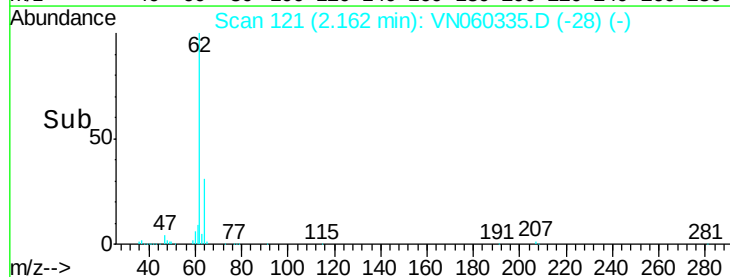
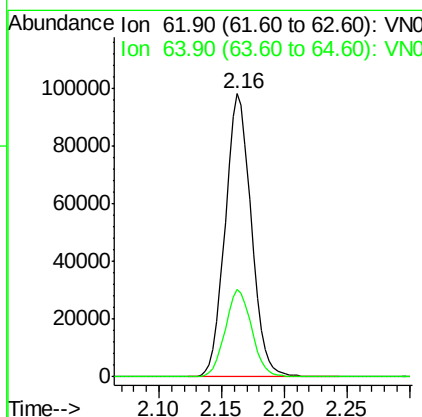
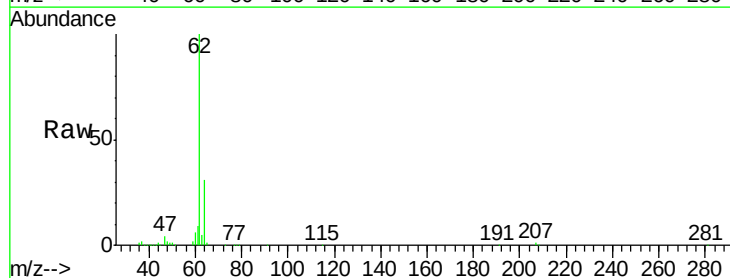
RT: 2.16 min Scan# 121

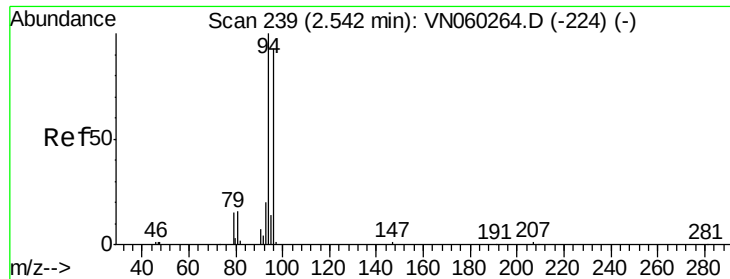
Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion: 62 Resp: 141417
 Ion Ratio Lower Upper
 62 100
 64 30.8 25.5 38.3





#5

Bromomethane

Concen: 41.569 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52691

Ion Ratio Lower Upper

94 100

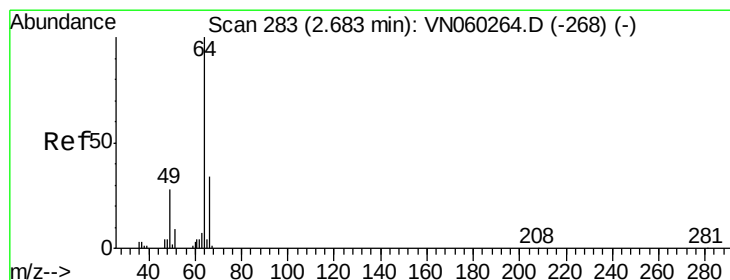
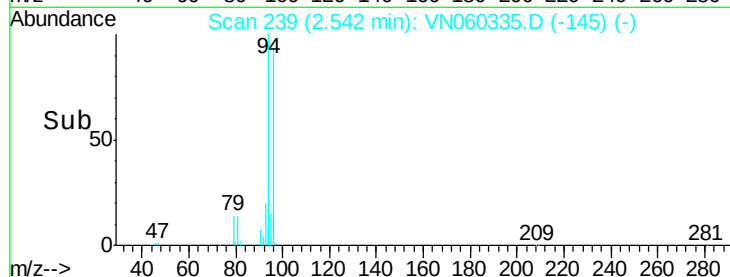
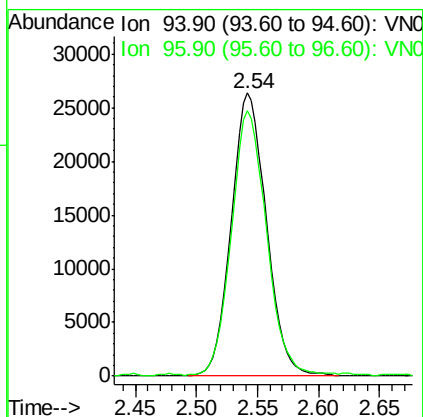
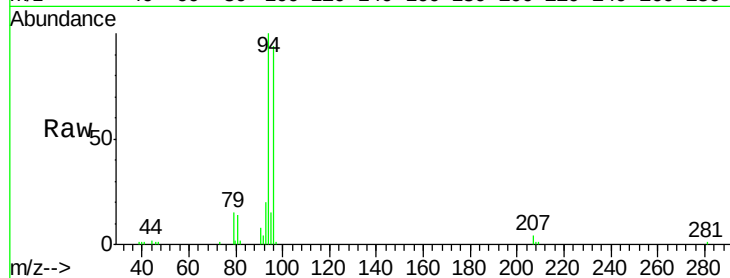
96 93.3 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 48.947 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060335.D

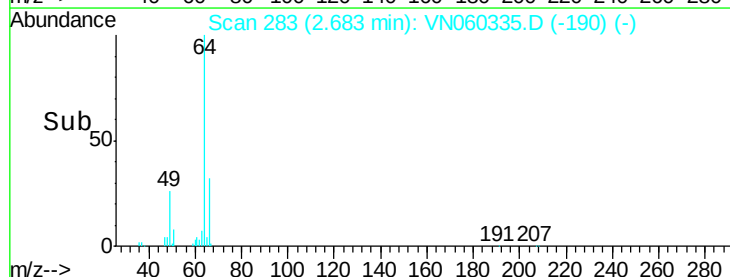
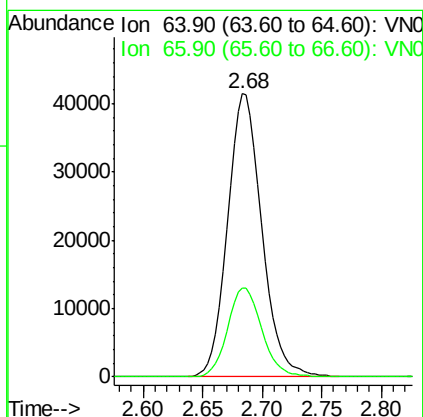
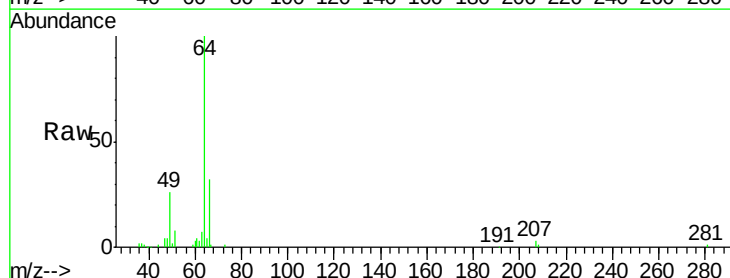
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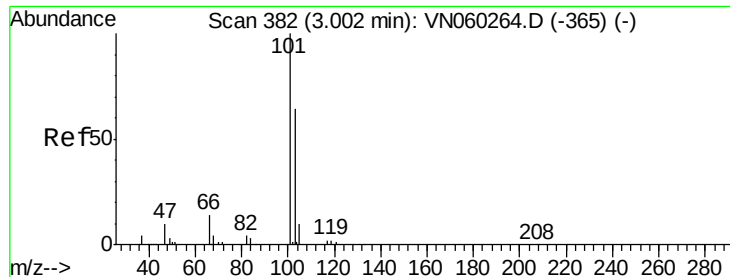
Tgt Ion: 64 Resp: 82706

Ion Ratio Lower Upper

64 100

66 31.6 27.4 41.2





#7

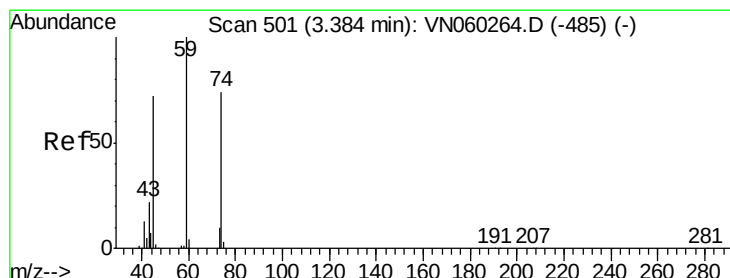
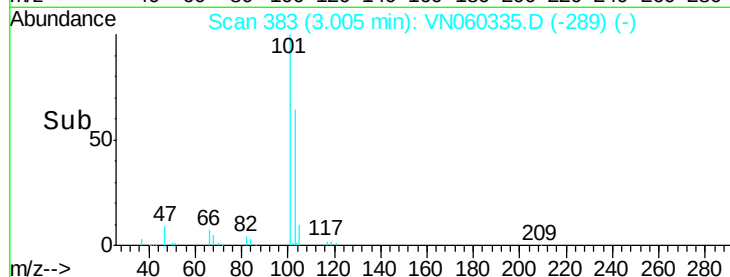
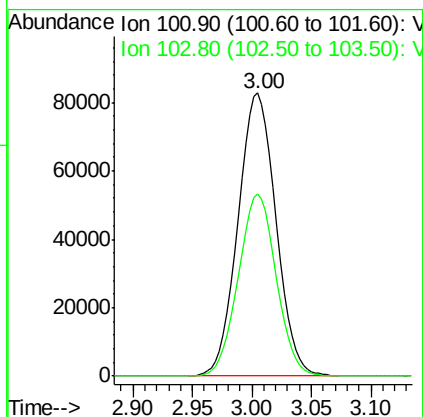
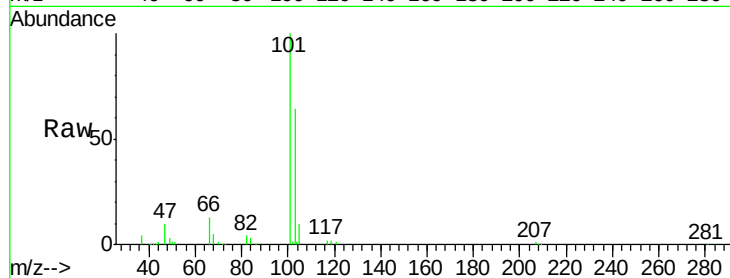
Trichlorofluoromethane
Concen: 45.958 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060335.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.3	76.9

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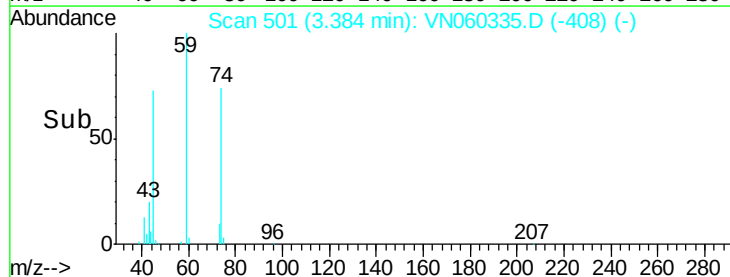
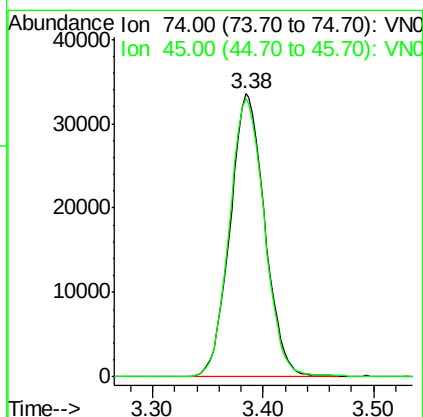
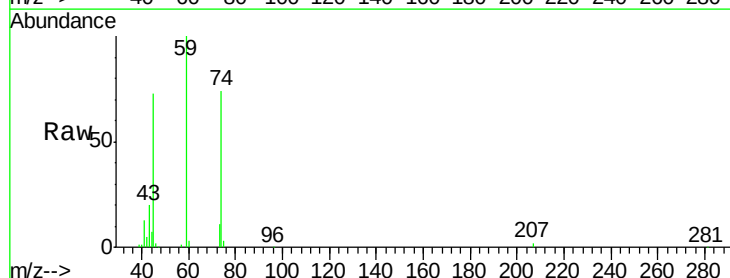
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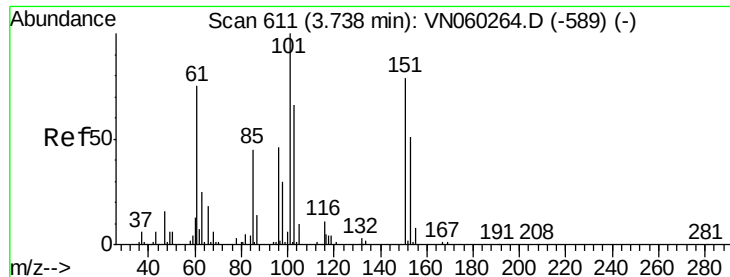


#8

Diethyl Ether
Concen: 48.603 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.5	148.7





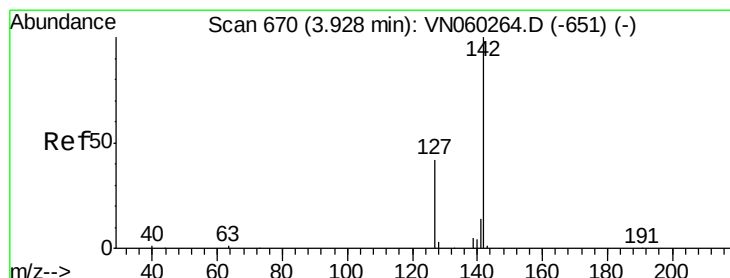
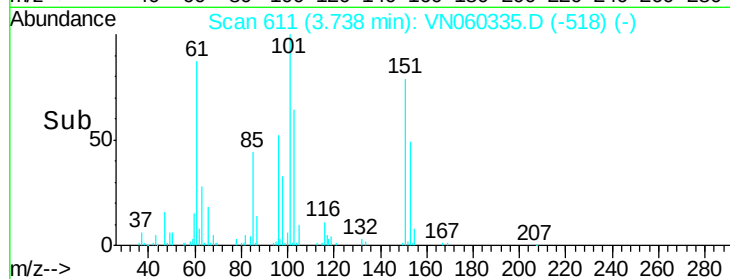
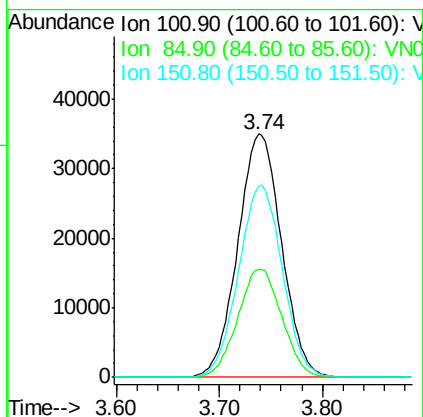
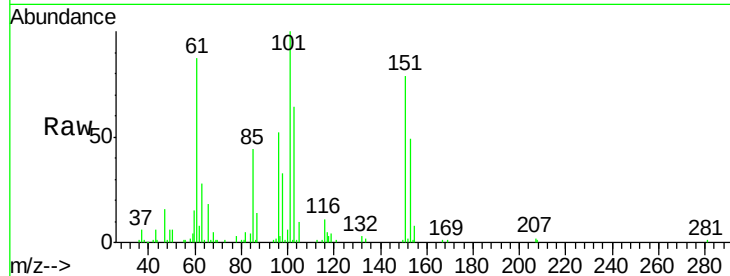
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.732 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.4	53.2
151	79.1	62.0	93.0

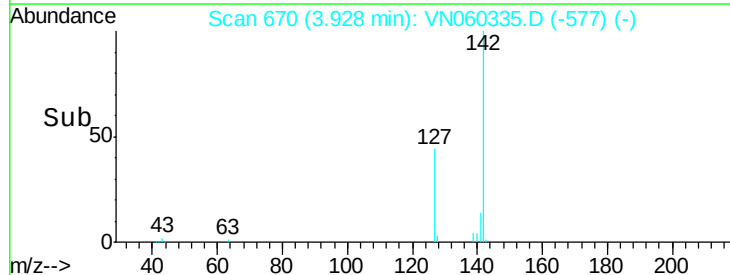
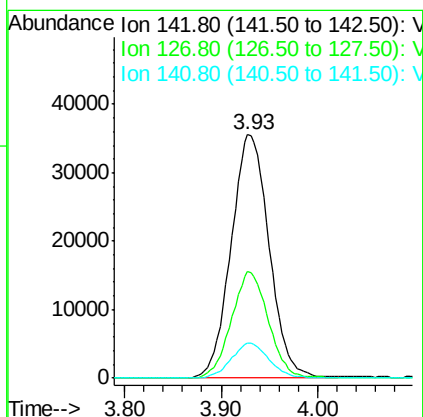
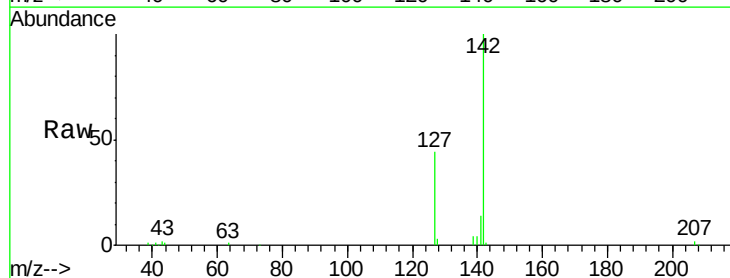
Manual Integrations
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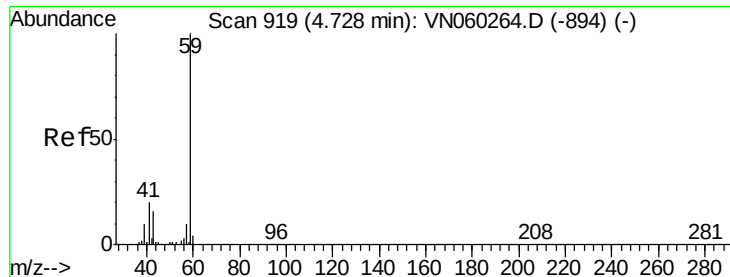
MMDadoda
 3/4/2020 10:43:40 AM



#10
 Methyl Iodide
 Concen: 47.251 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	33.8	50.6
141	14.1	11.1	16.7





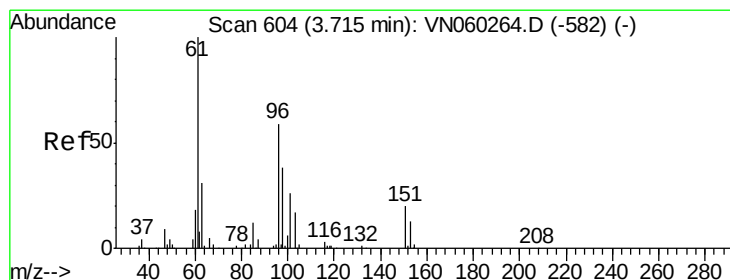
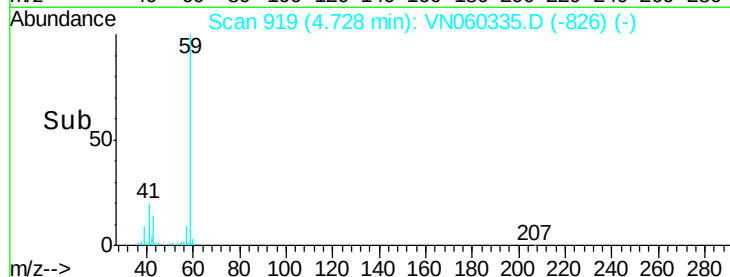
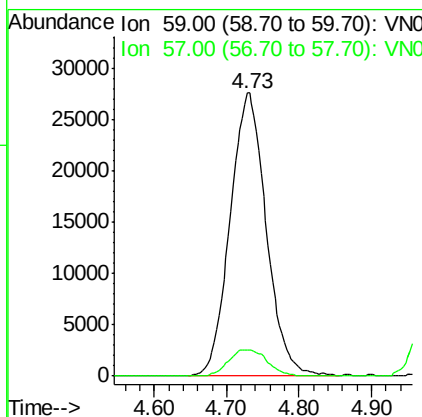
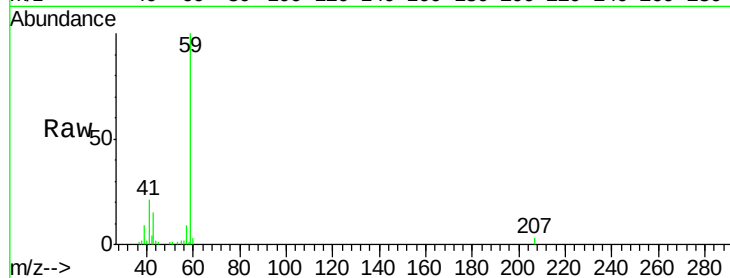
#11
Tert butyl alcohol
Concen: 221.086 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

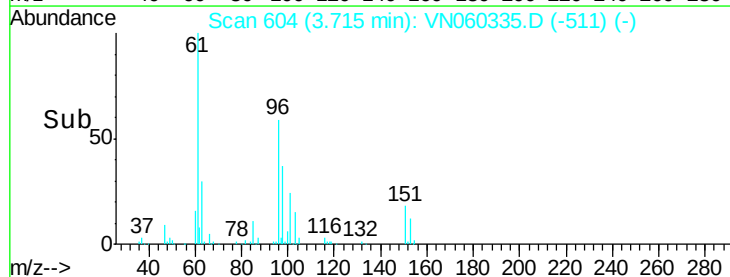
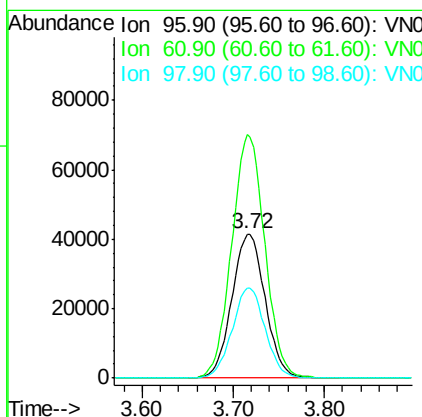
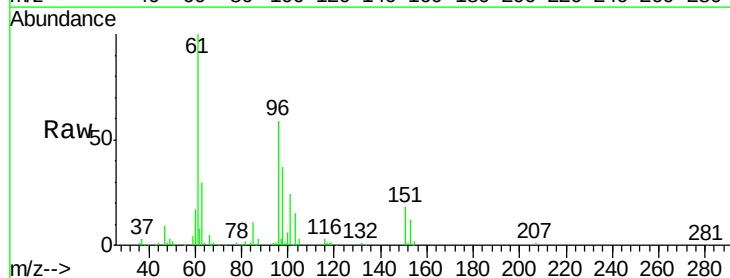
Manual Integrations
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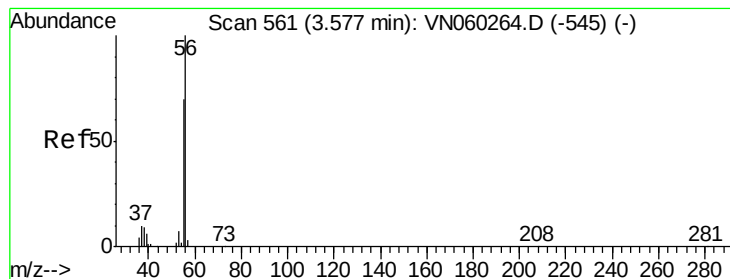
MMDadoda
3/4/2020 10:43:40 AM



#12
1,1-Dichloroethene
Concen: 48.352 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.7	135.4	203.0
98	62.6	51.6	77.4





#13

Acrolein

Concen: 236.812 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 95882

Ion Ratio Lower Upper

56 100

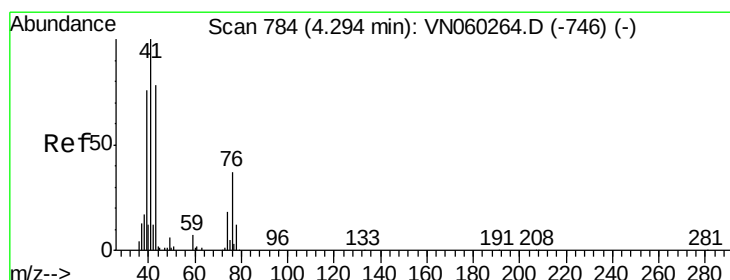
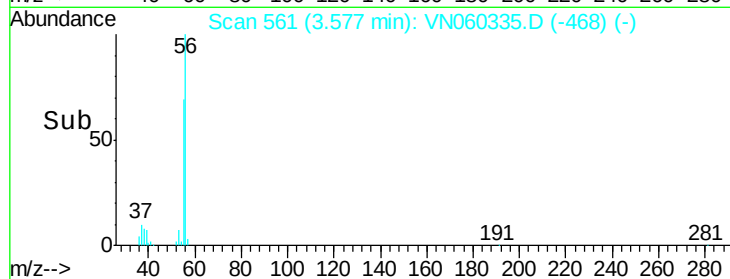
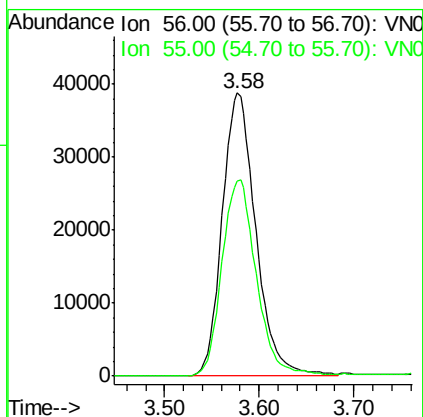
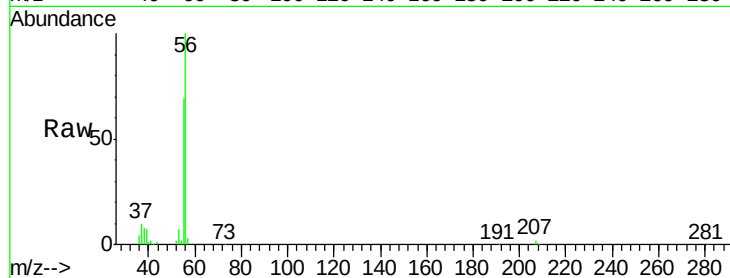
55 70.9 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 44.419 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

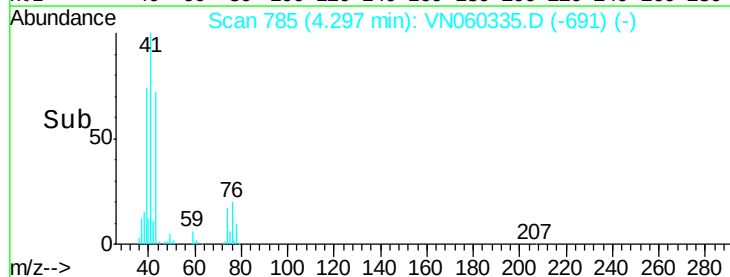
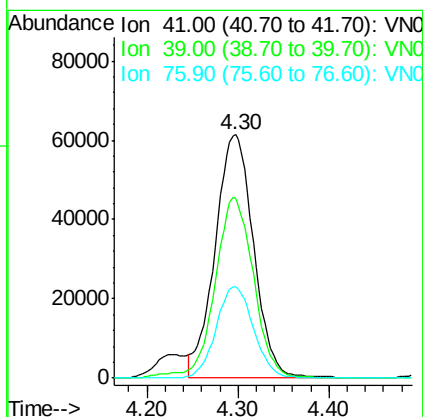
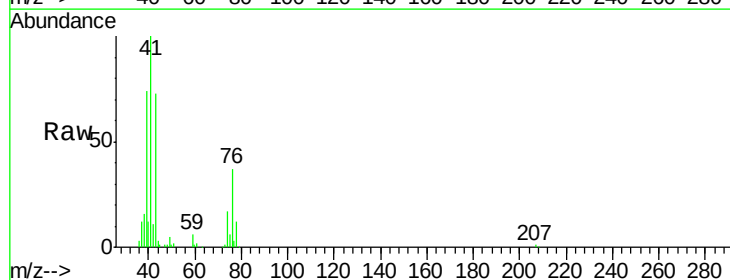
Tgt Ion: 41 Resp: 179248

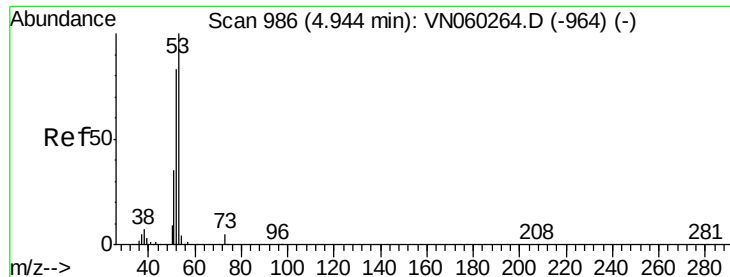
Ion Ratio Lower Upper

41 100

39 75.1 55.4 83.2

76 36.8 27.0 40.6





#15

Acrylonitrile

Concen: 256.270 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

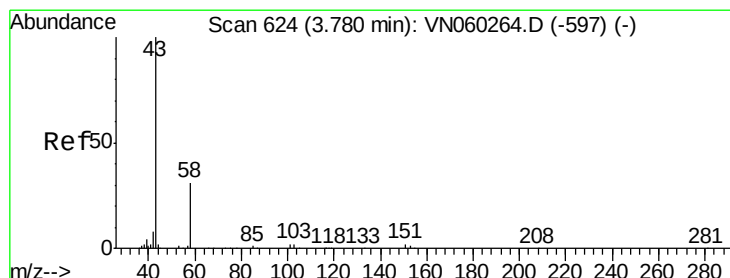
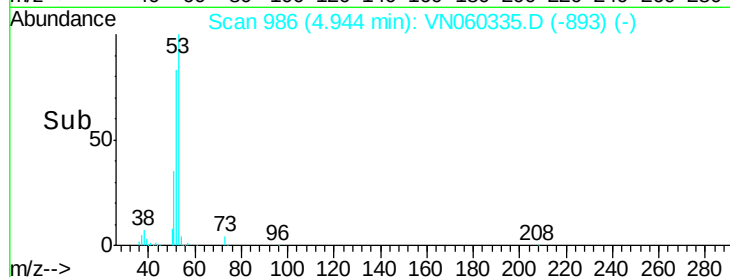
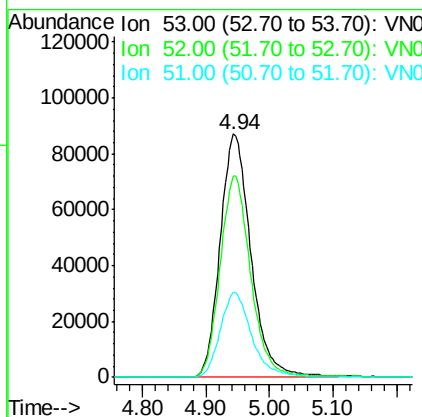
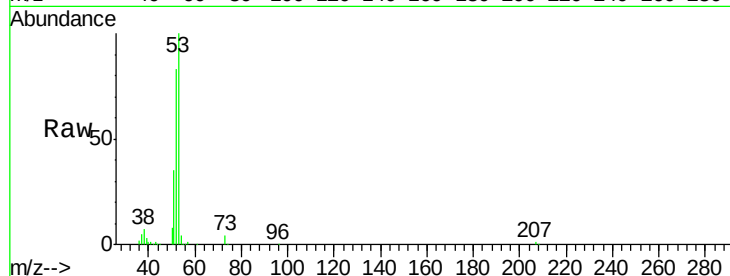
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	293160
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.8	100.2
51	35.6	29.0	43.6

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#16

Acetone

Concen: 252.178 ug/l

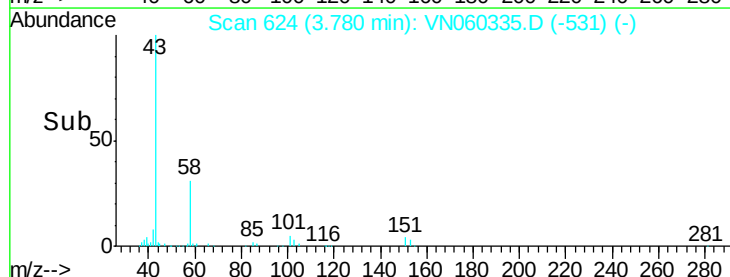
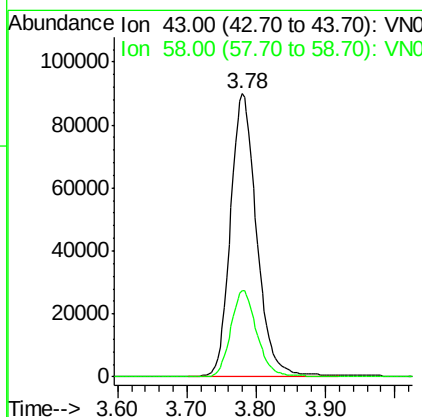
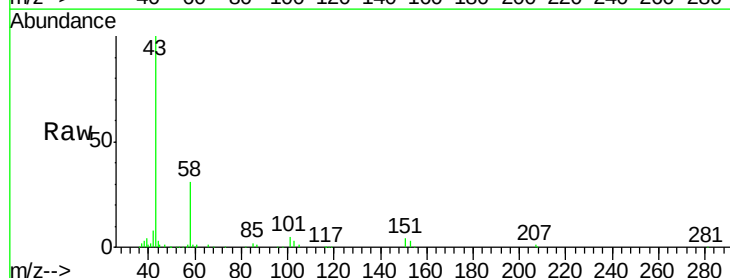
RT: 3.78 min Scan# 624

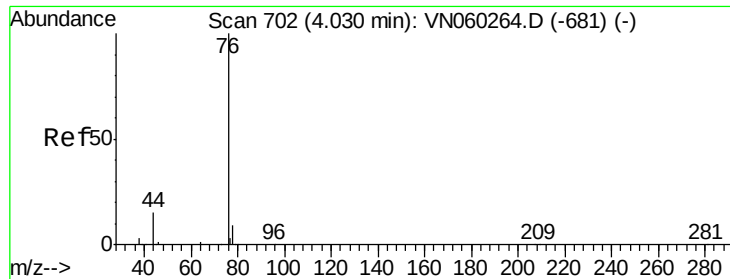
Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion:	43	Resp:	238024
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.6	36.8





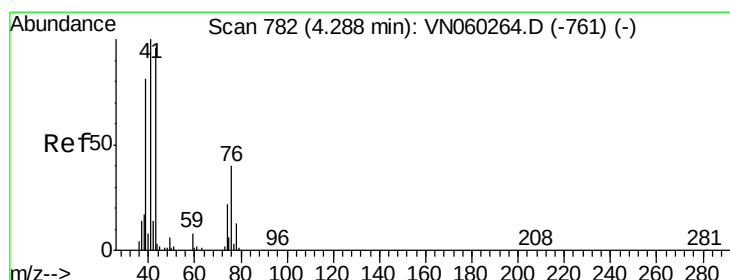
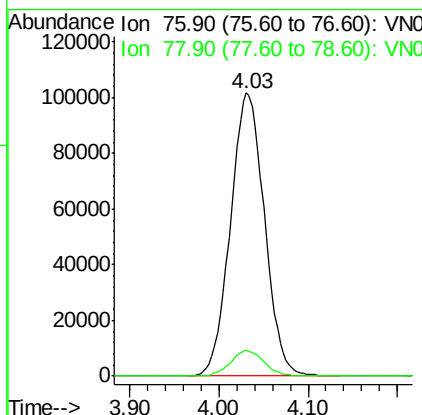
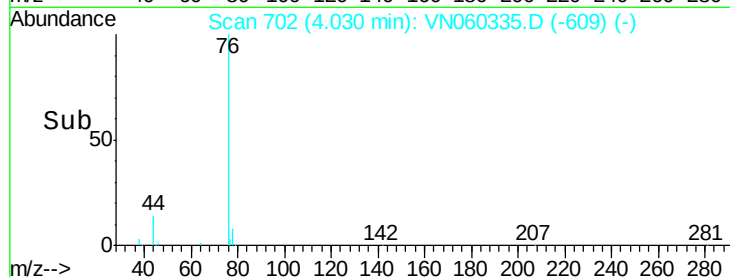
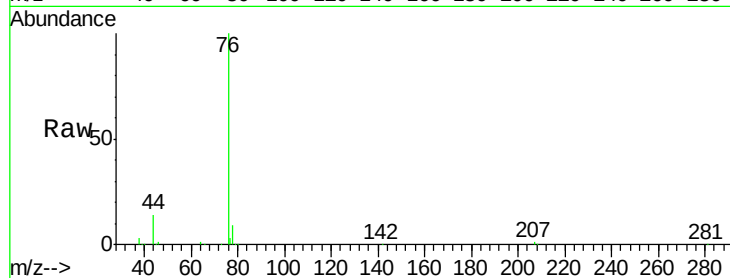
#17
Carbon Disulfide
Concen: 46.264 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

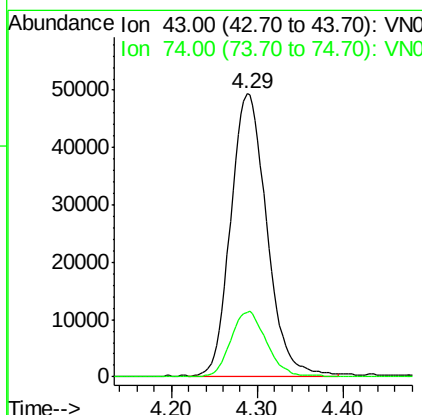
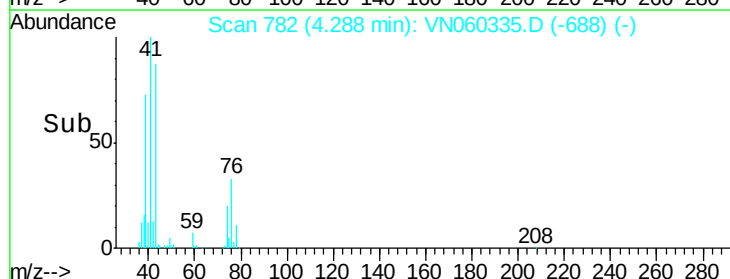
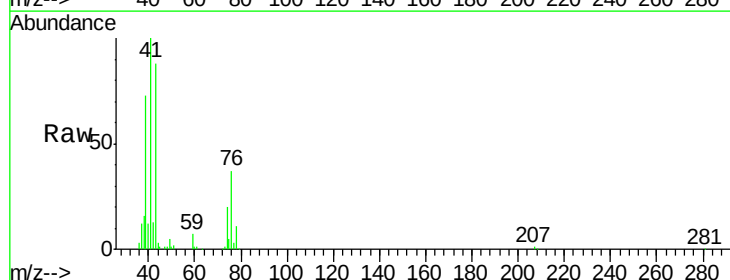
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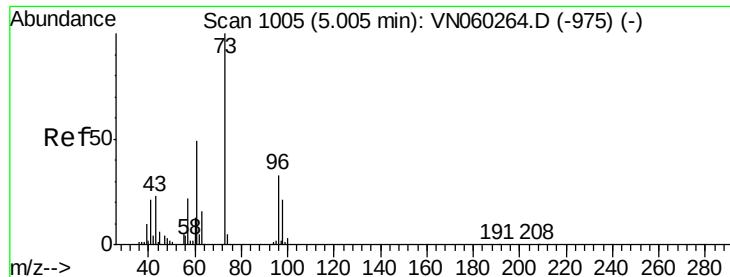
MMDadoda
3/4/2020 10:43:40 AM



#18
Methyl Acetate
Concen: 45.453 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.8	28.2





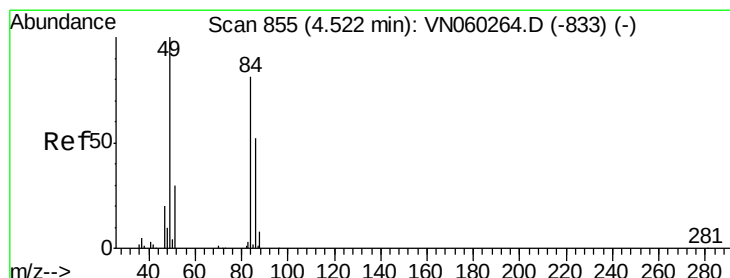
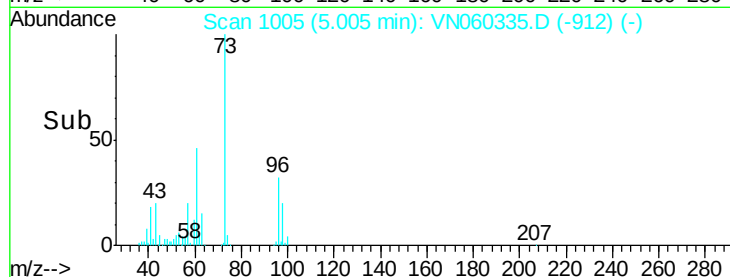
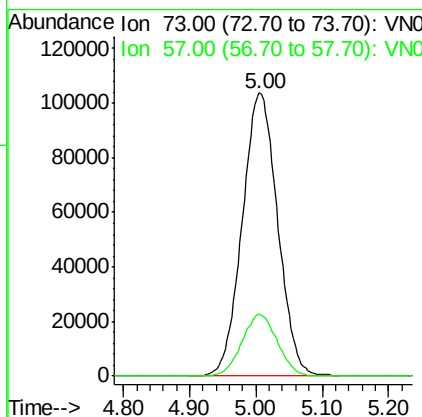
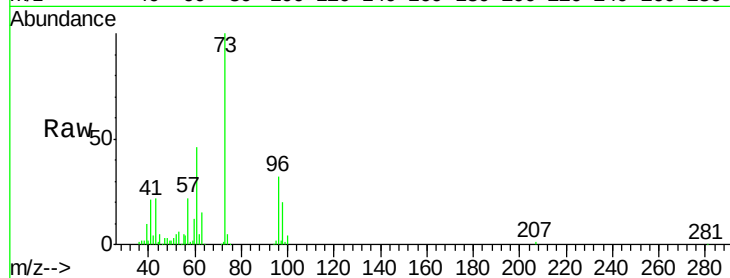
#19
Methyl tert-butyl Ether
Concen: 48.458 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.3	25.9

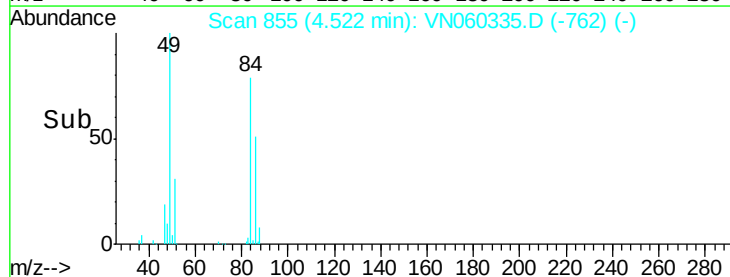
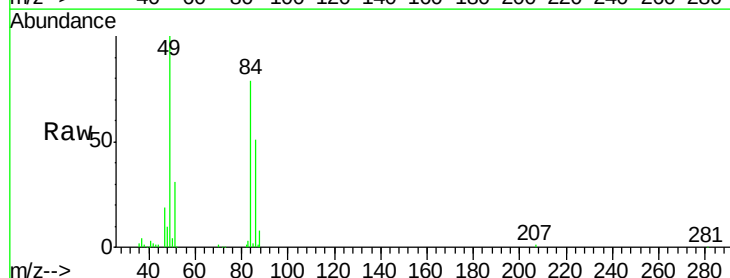
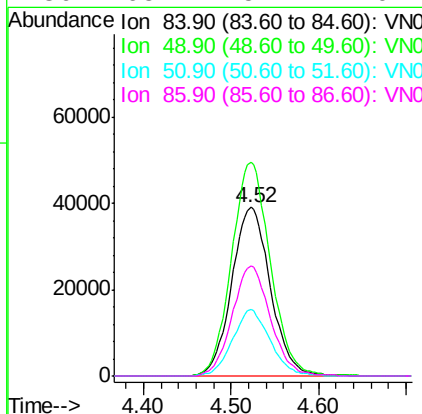
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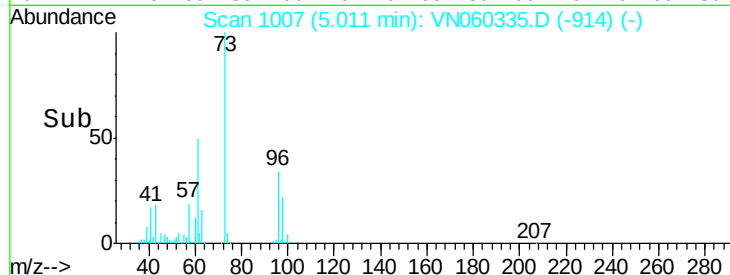
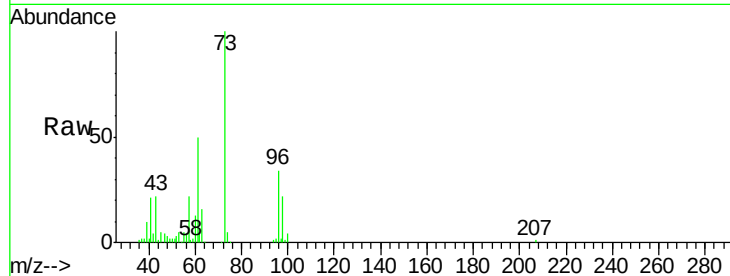
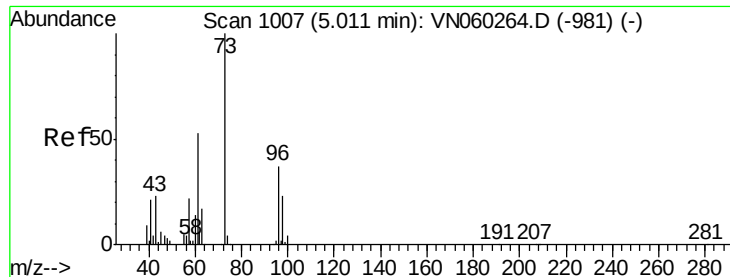
MMDadoda
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#20
Methylene Chloride
Concen: 46.220 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.8	99.3	148.9
51	39.9	30.1	45.1
86	65.1	51.1	76.7





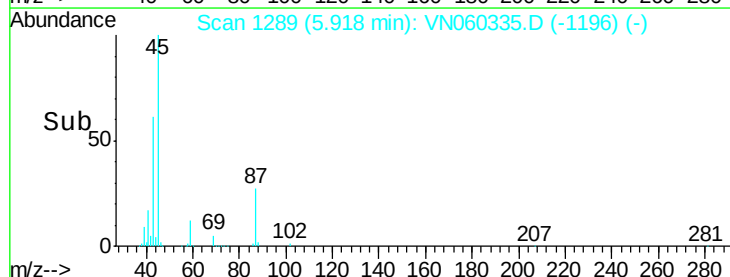
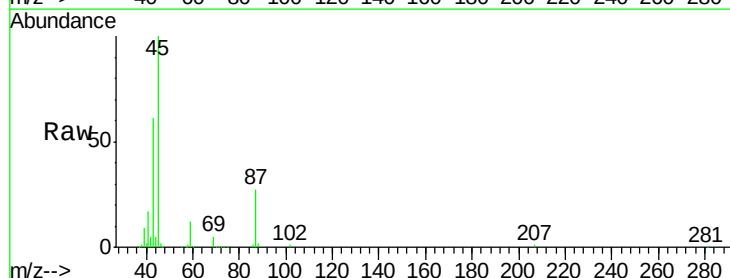
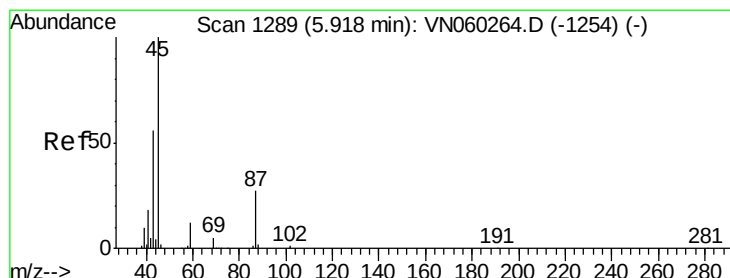
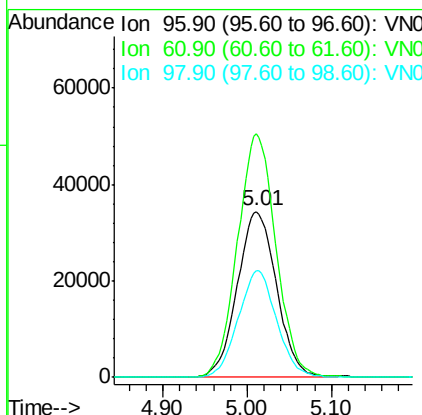
#21
trans-1,2-Dichloroethene
Concen: 47.356 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.7	113.8	170.8
98	64.0	48.8	73.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

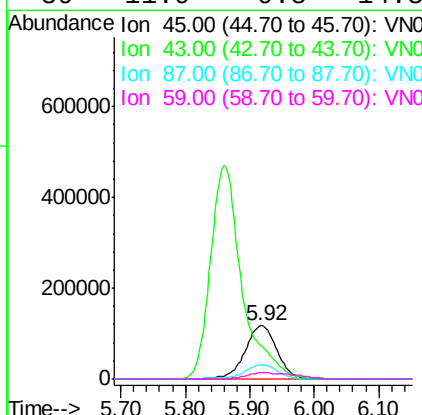
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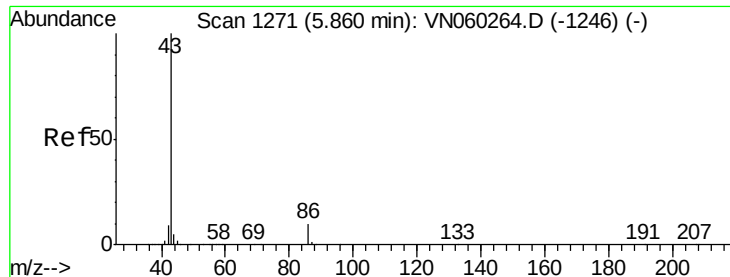
MMDadoda
3/4/2020 10:43:40 AM



#22
Diisopropyl ether
Concen: 49.172 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	72.8
87	27.4	22.2	33.2
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 246.547 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1601398

Ion Ratio Lower Upper

43 100

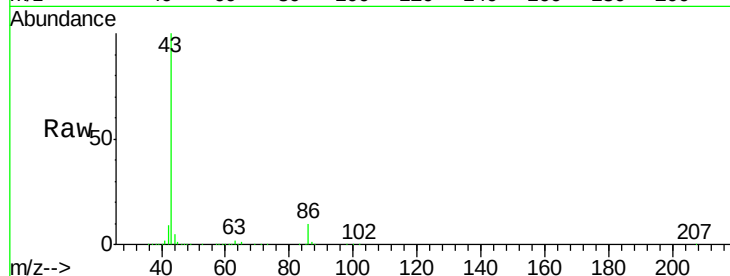
86 9.8 8.0 12.0

Manual Integrations

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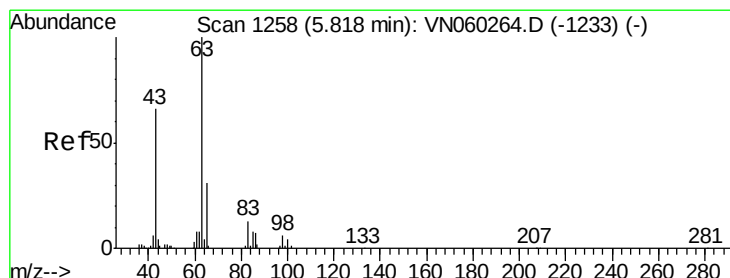
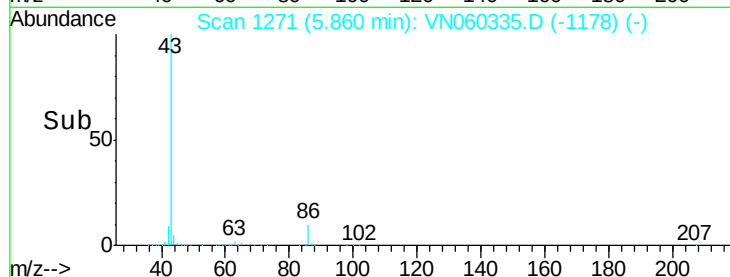
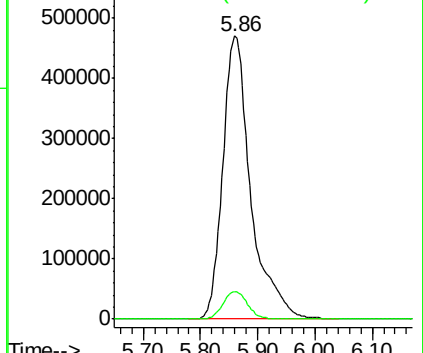
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.447 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

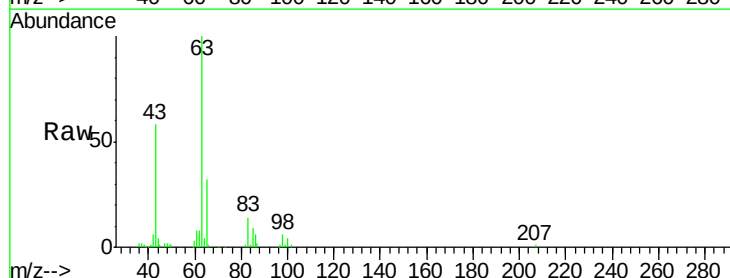
Tgt Ion: 63 Resp: 219538

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

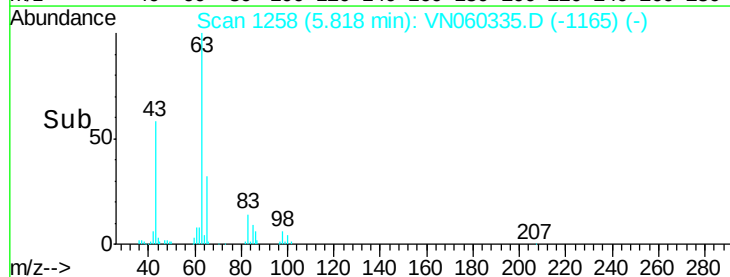
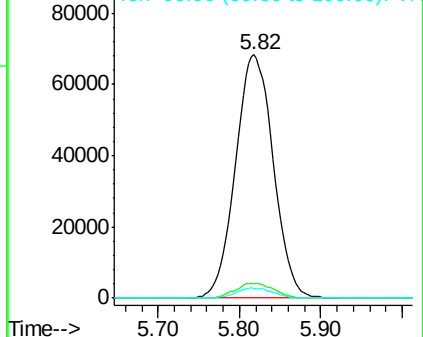
100 4.1 2.0 6.0

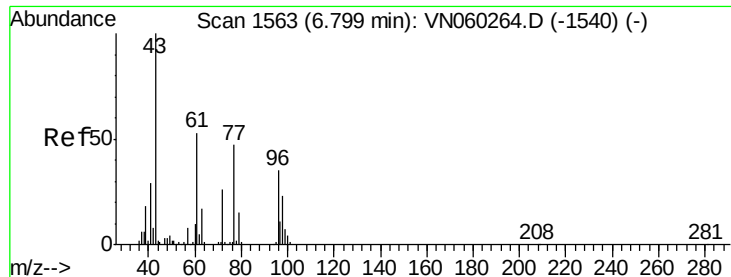


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 248.934 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 379519

Ion Ratio Lower Upper

43 100

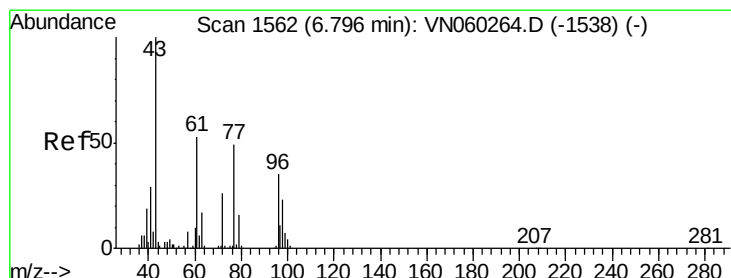
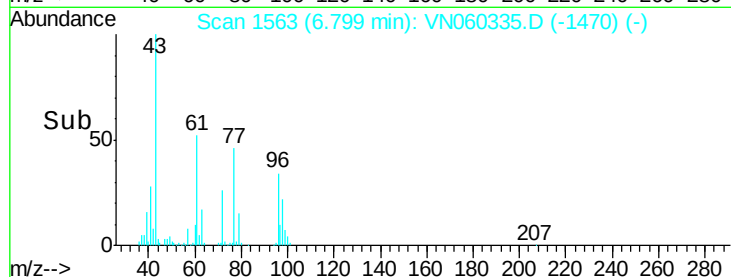
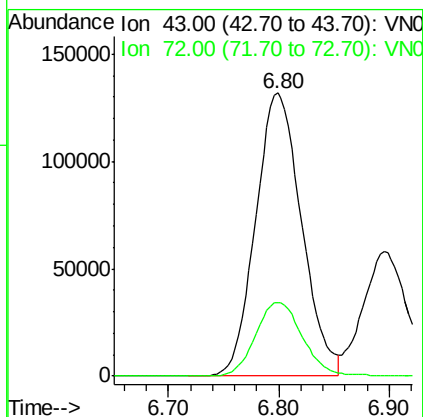
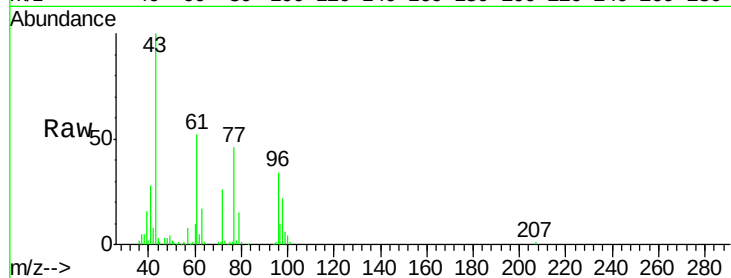
72 26.2 20.9 31.3

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 45.888 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060335.D

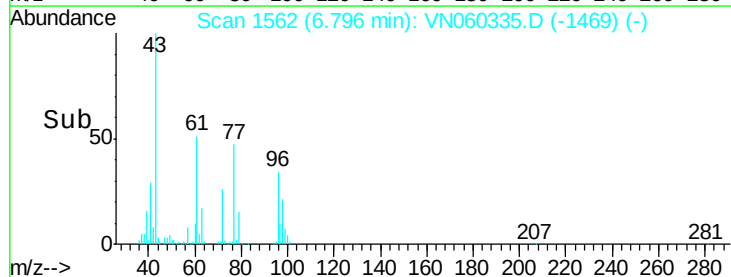
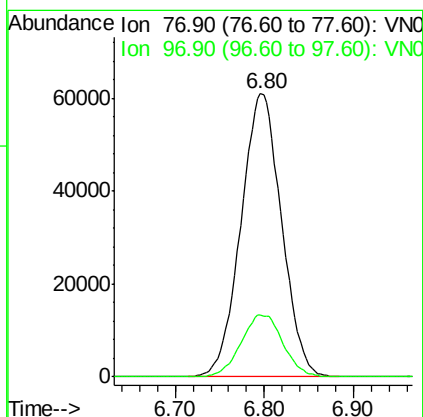
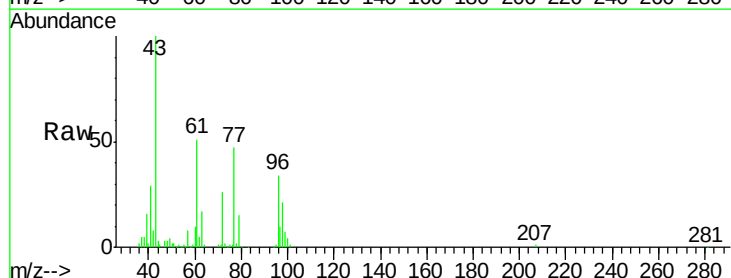
Acq: 3 Mar 2020 17:20

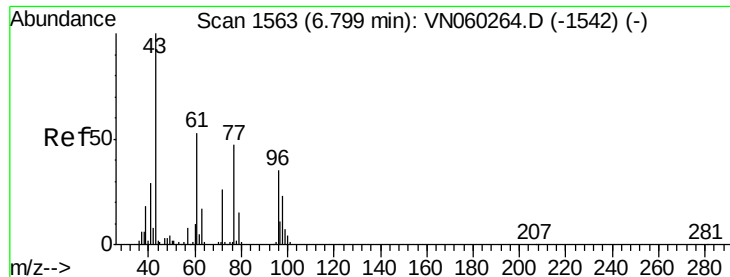
Tgt Ion: 77 Resp: 193294

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 44.191 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

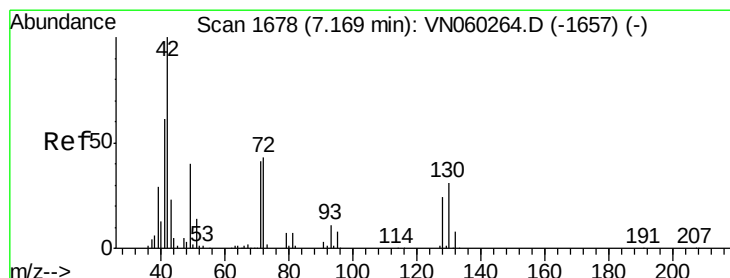
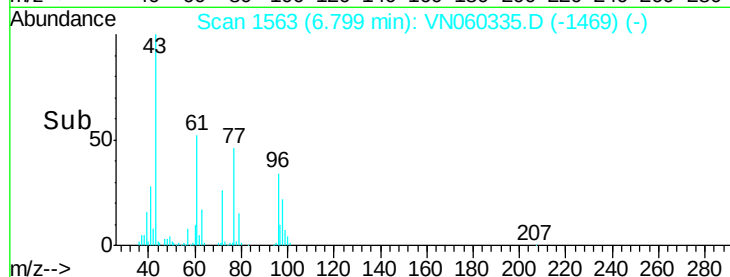
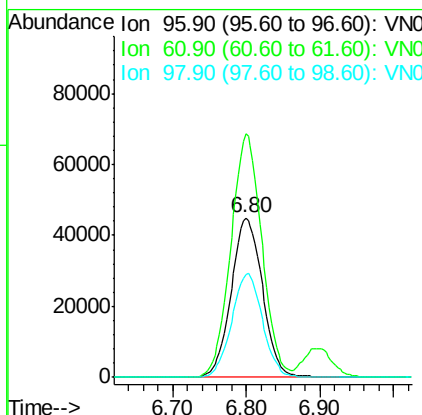
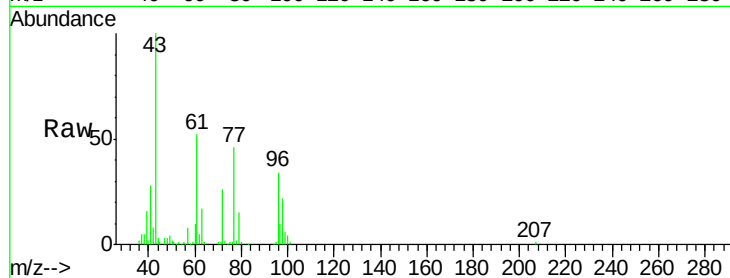
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	132827
Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	300.8
98	64.0	0.0	128.2

Manual Integrations
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3/4/2020 10:43:40 AM



#28

Bromochloromethane

Concen: 48.298 ug/l

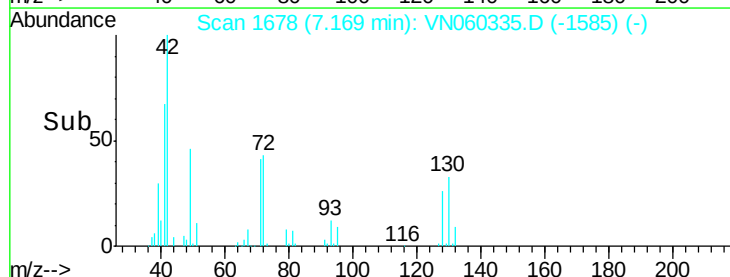
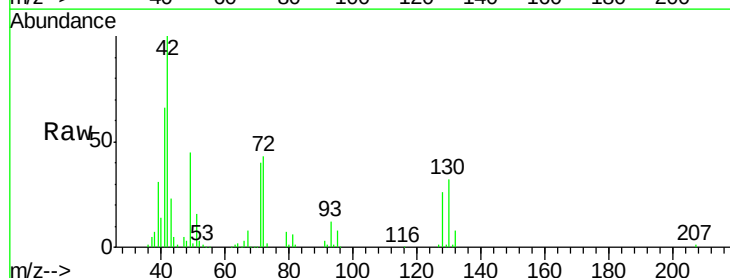
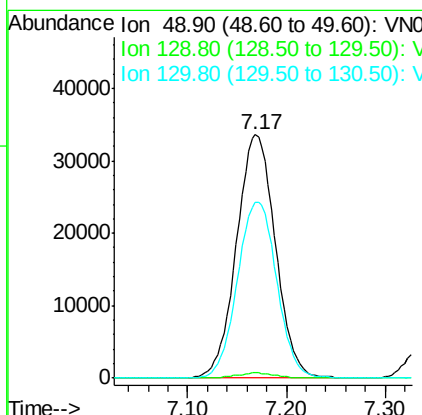
RT: 7.17 min Scan# 1678

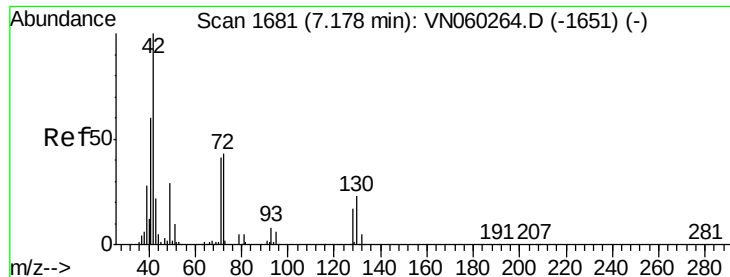
Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion:	49	Resp:	91754
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	73.2	59.8	89.8





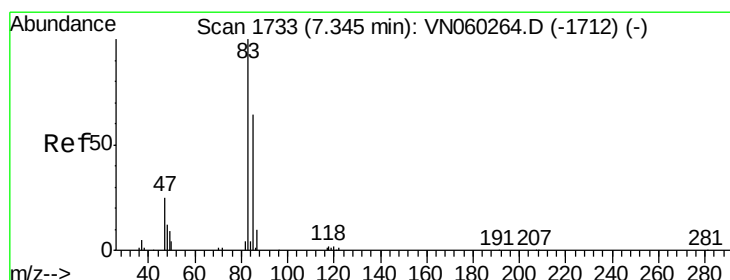
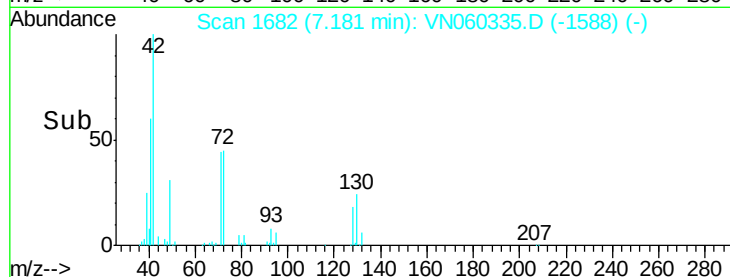
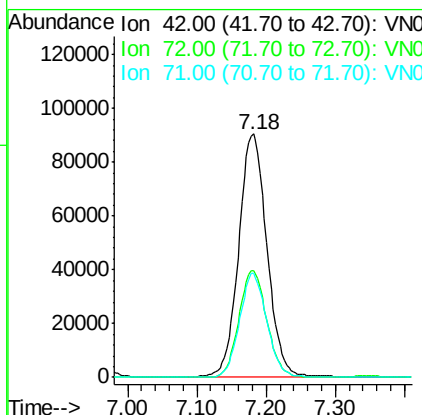
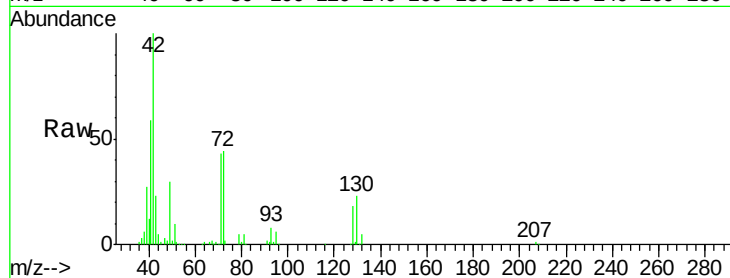
#29
Tetrahydrofuran
Concen: 242.963 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.6	52.0
71	40.9	32.9	49.3

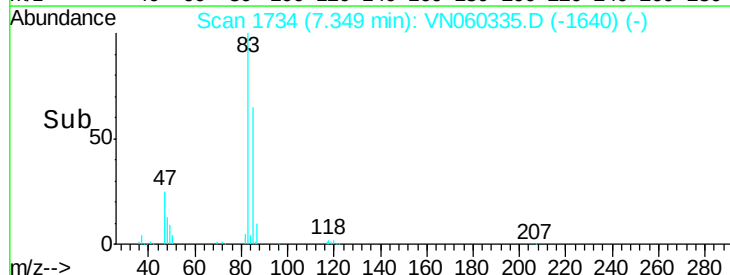
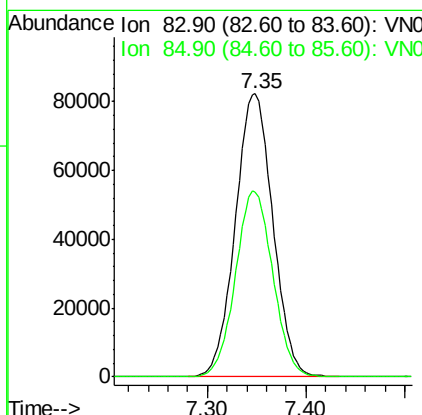
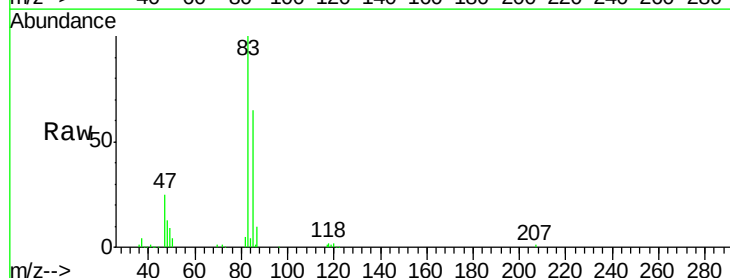
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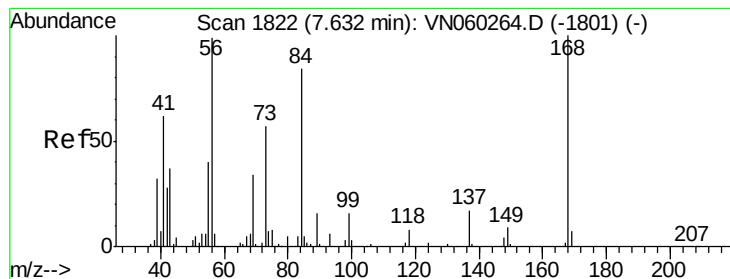
MMDadoda
3/4/2020 10:43:40 AM



#30
Chloroform
Concen: 47.097 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





#31

Cyclohexane

Concen: 47.911 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 189399

Ion Ratio Lower Upper

56 100

69 34.8 27.2 40.8

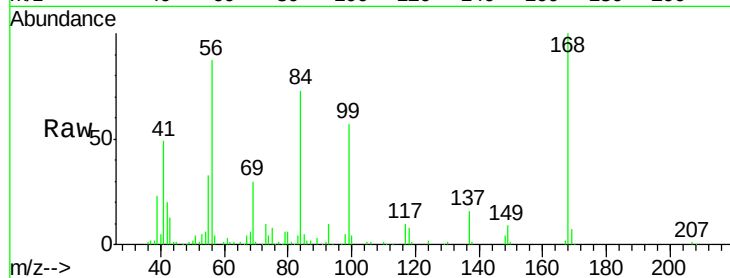
84 82.0 66.7 100.1

Manual Integrations

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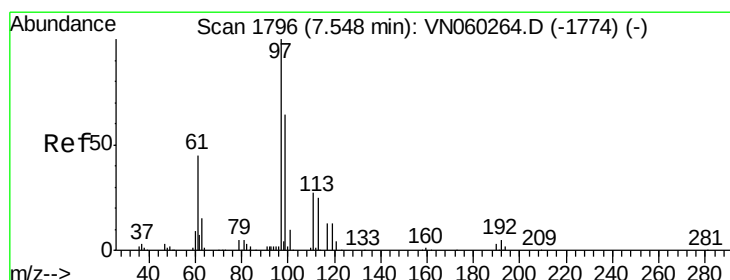
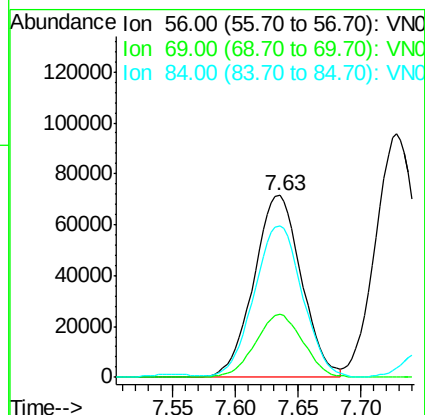
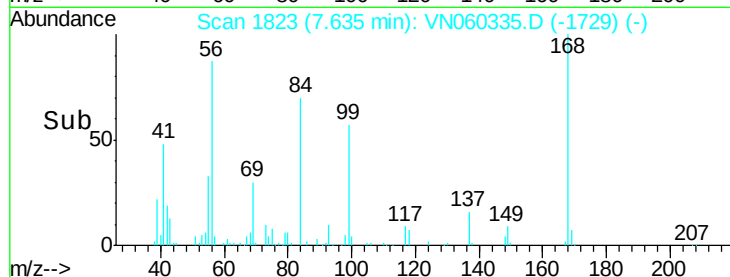
3/4/2020 10:43:40 AM



Abundance Ion 56.00 (55.70 to 56.70): VN060335.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060335.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060335.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 47.279 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

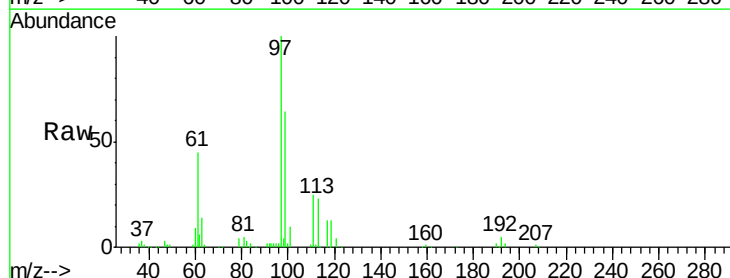
Tgt Ion: 97 Resp: 192948

Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

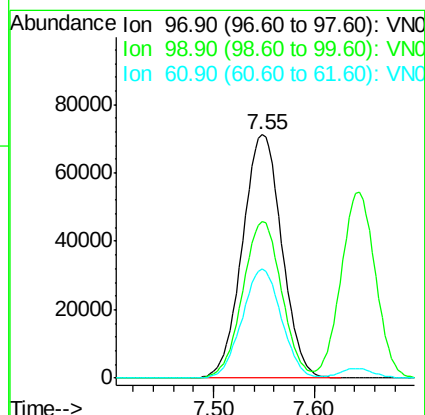
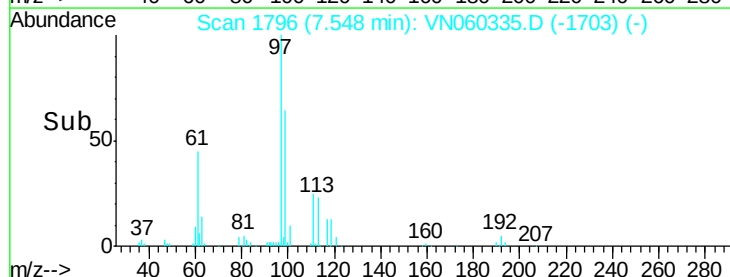
61 44.7 36.6 55.0

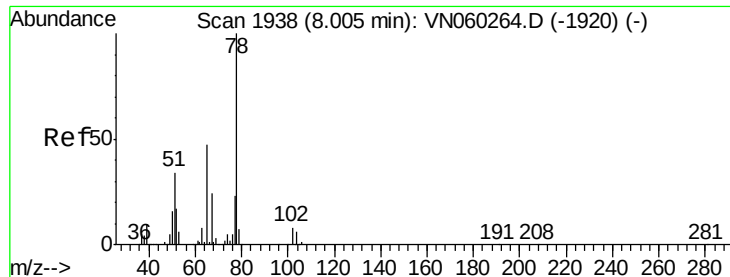


Abundance Ion 96.90 (96.60 to 97.60): VN060335.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060335.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060335.D (-1703) (-)





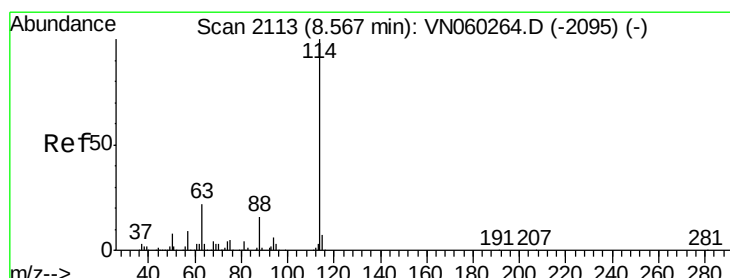
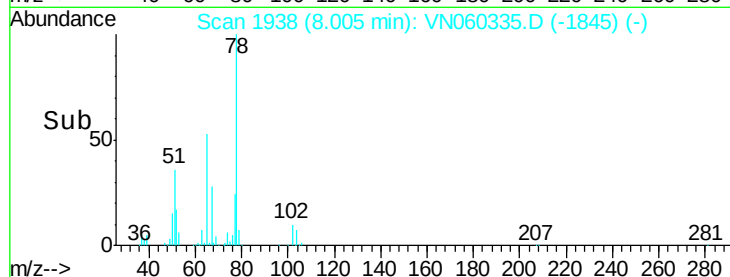
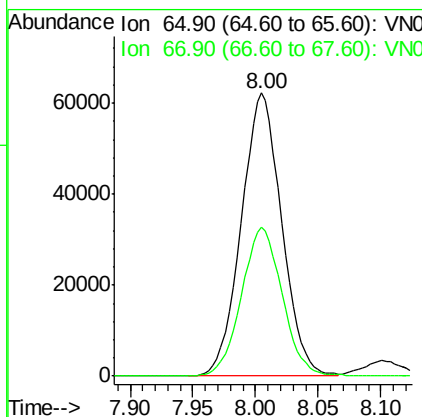
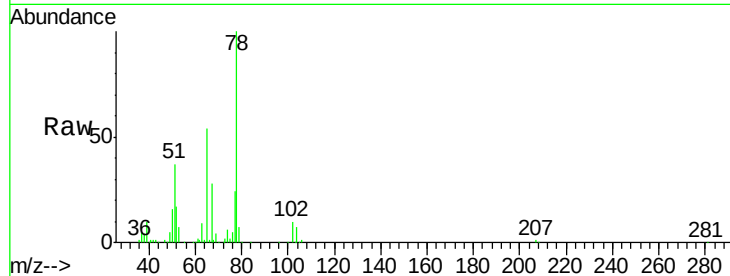
#33
 1,2-Dichloroethane-d4
 Concen: 47.745 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	103.8	

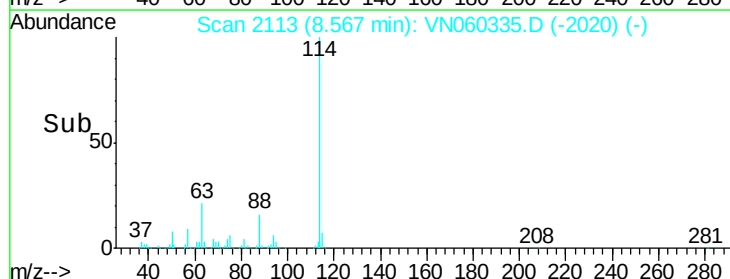
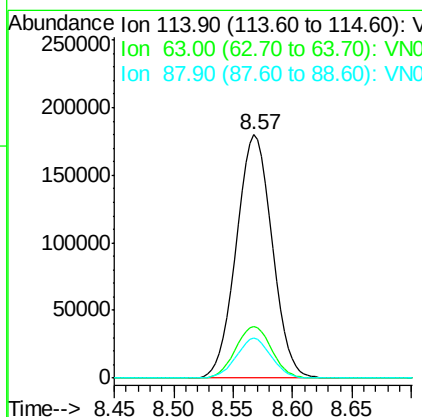
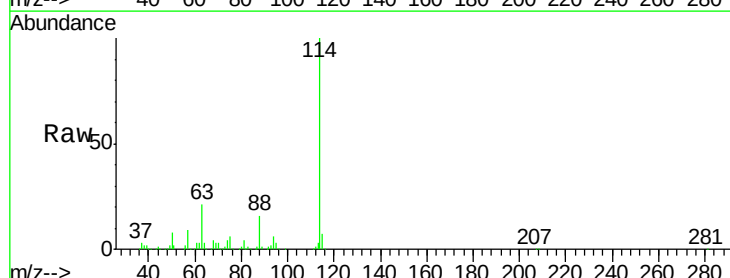
Manual Integrations
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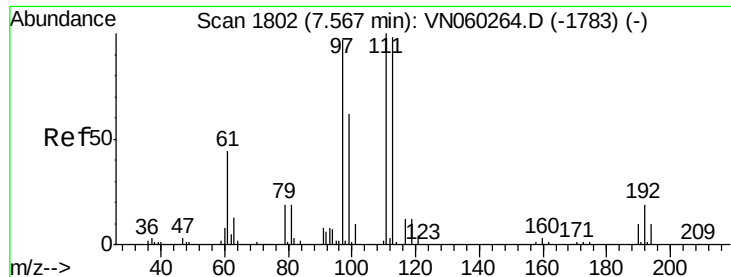
MMDadoda
 3/4/2020 10:43:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.1	0.0	43.2	
88	16.3	0.0	31.6	





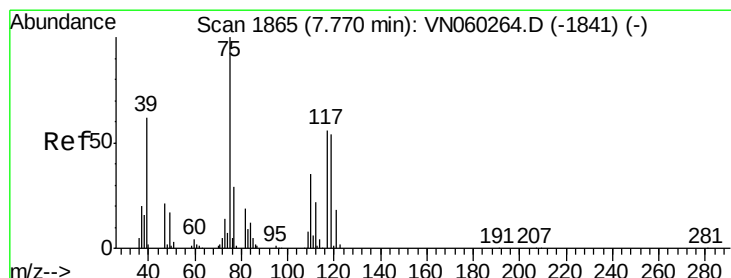
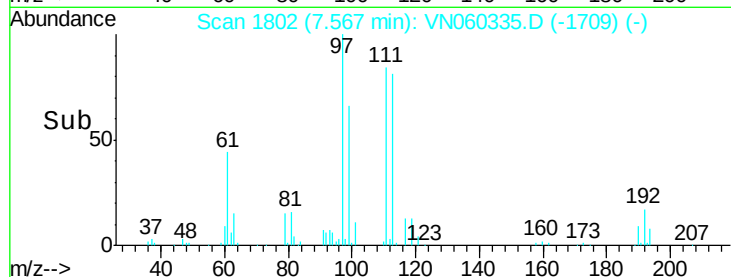
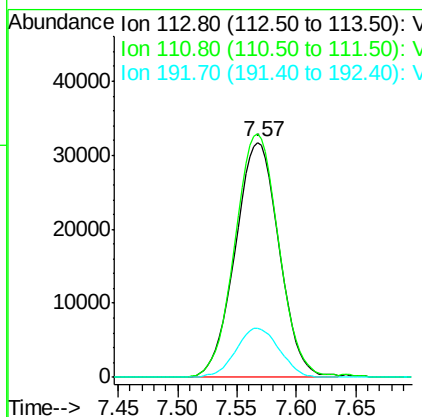
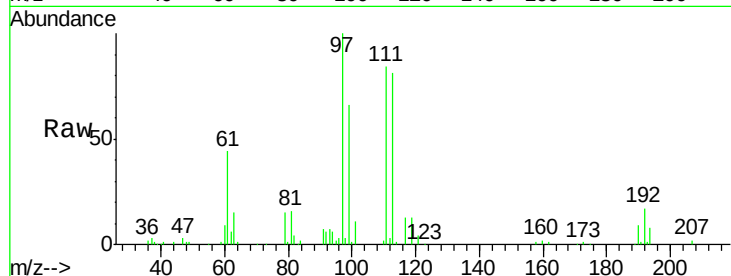
#35
Dibromofluoromethane
Concen: 46.479 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	20.7	16.2	24.2

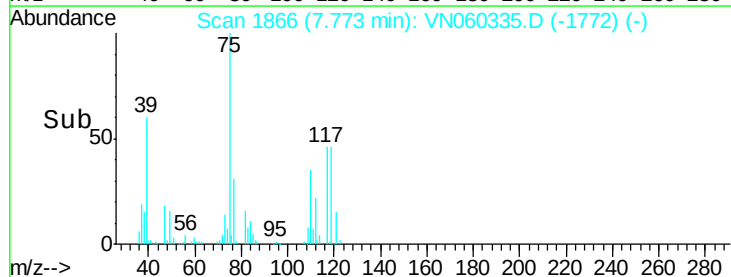
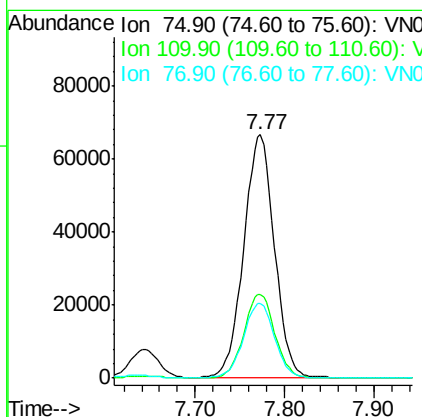
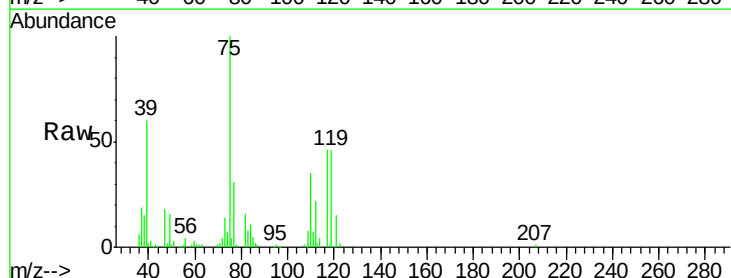
Manual Integrations
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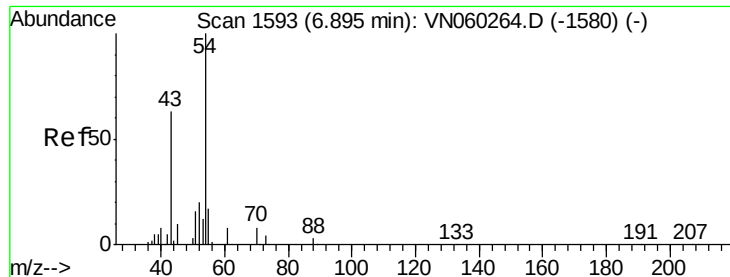
MMDadoda
3/4/2020 10:43:40 AM



#36
1,1-Dichloropropene
Concen: 44.710 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	52.0
77	31.2	24.2	36.2





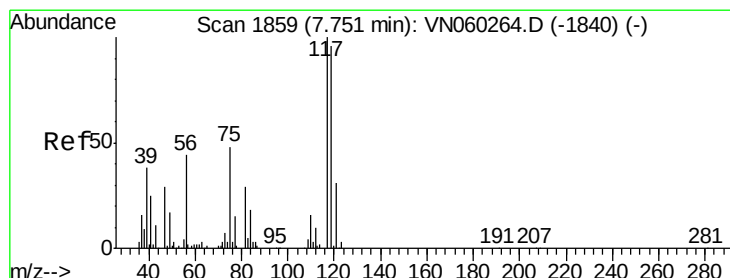
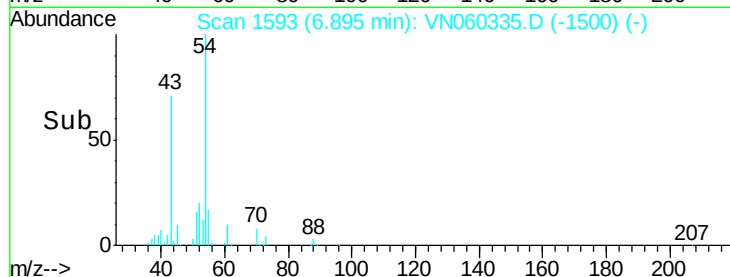
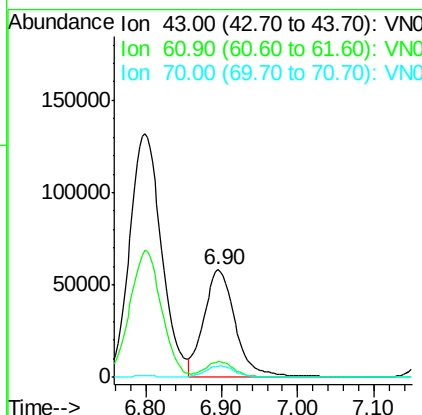
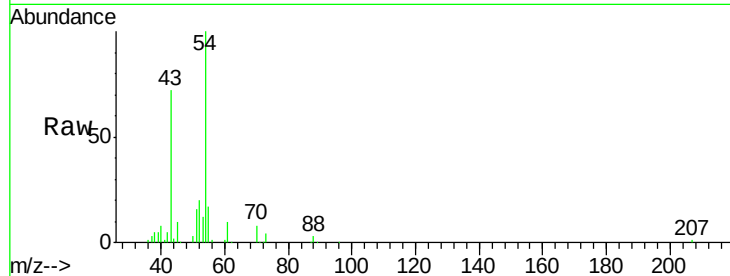
#37
Ethyl Acetate
Concen: 48.766 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.1	11.1	16.7	
70	10.4	8.4	12.6	

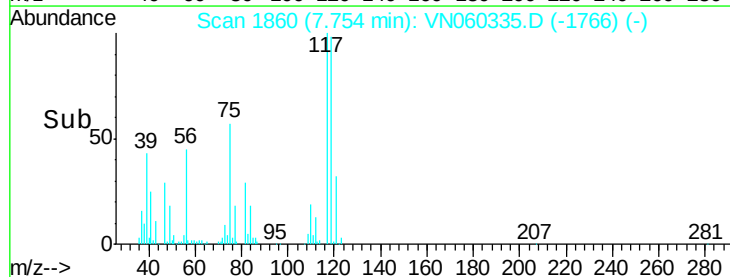
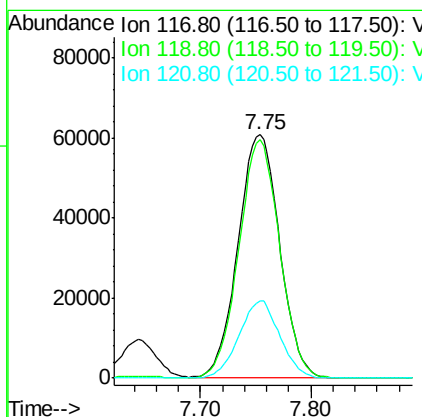
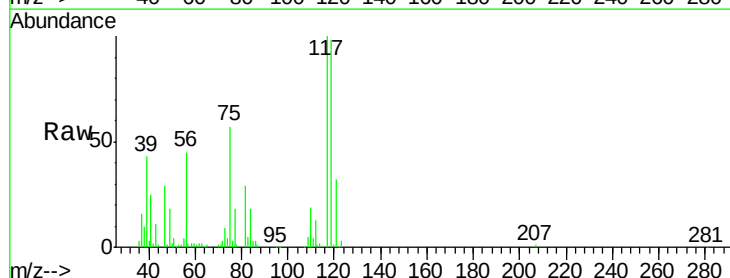
Manual Integrations
APPROVED

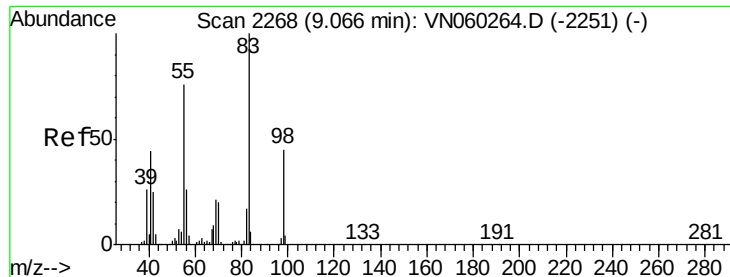
MMDadoda
3/4/2020 10:43:40 AM



#38
Carbon Tetrachloride
Concen: 45.586 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	97.9	76.7	115.1	
121	31.6	24.5	36.7	





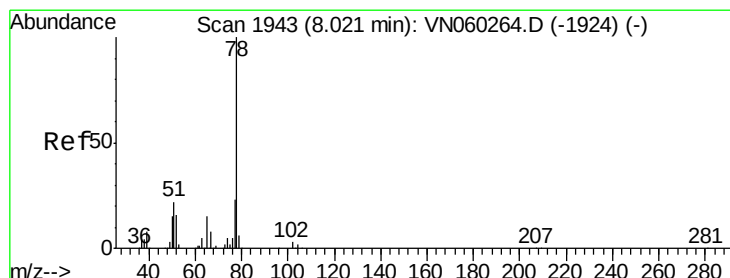
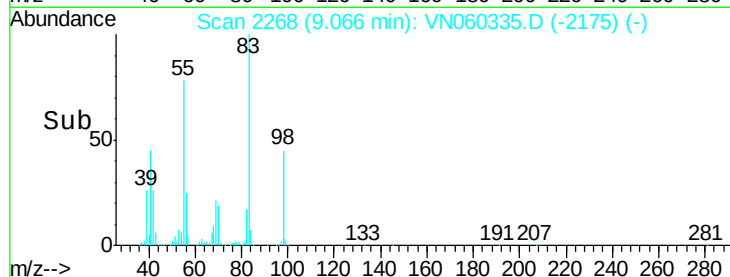
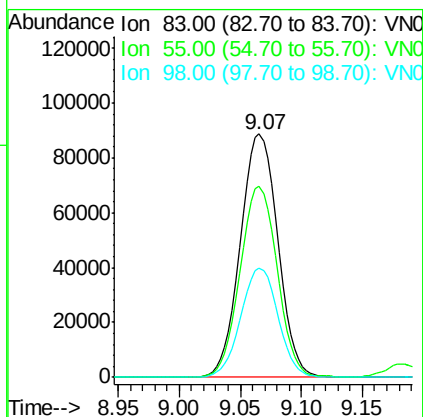
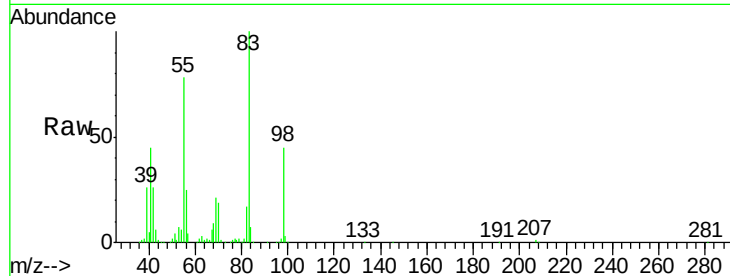
#39
Methylvlcyclohexane
Concen: 44.684 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	61.0	91.4
98	45.1	36.1	54.1

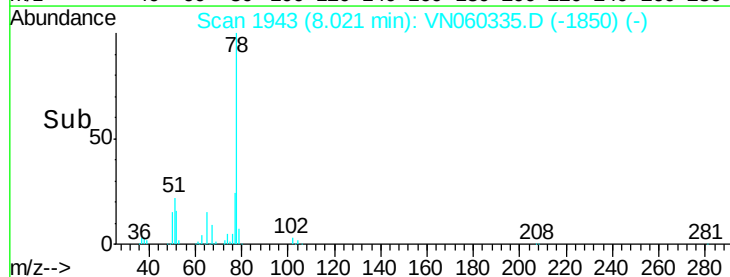
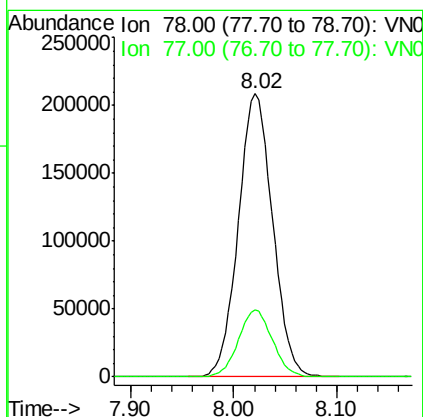
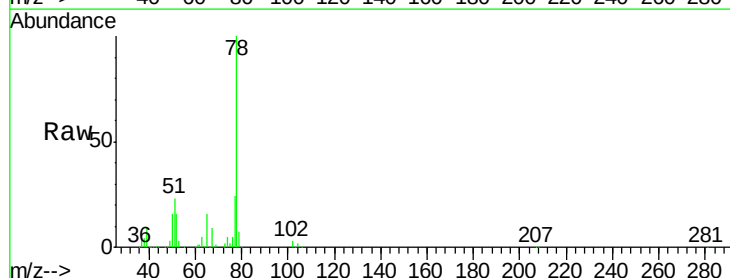
Manual Integrations
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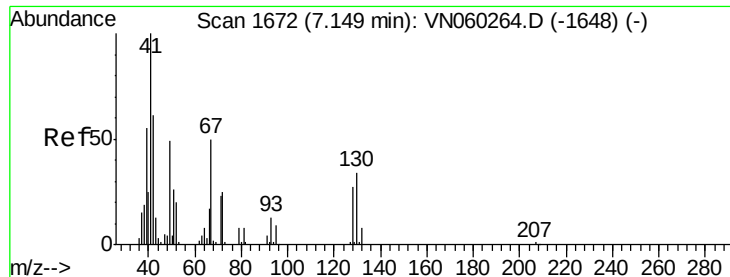
MMDadoda
3/4/2020 10:43:40 AM



#40
Benzene
Concen: 46.304 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





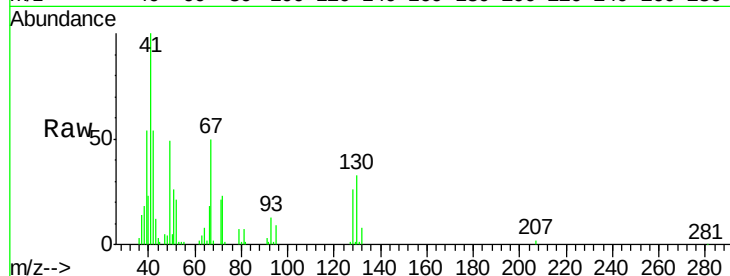
#41
Methacrylonitrile
Concen: 49.252 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

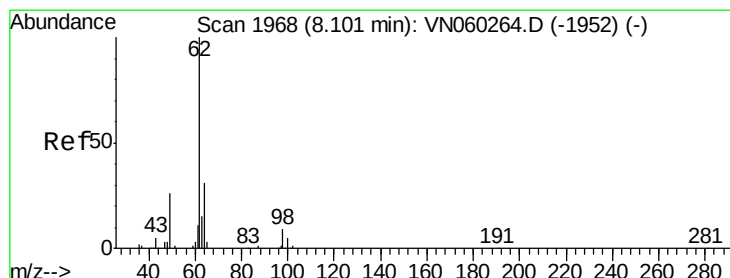
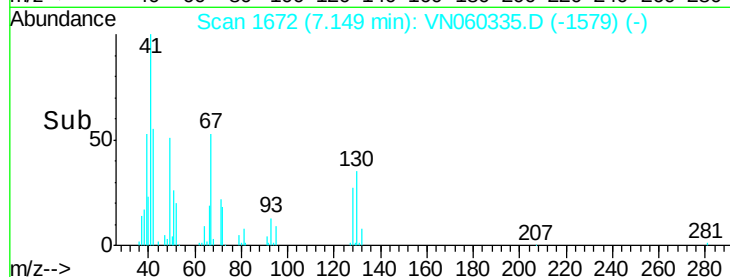
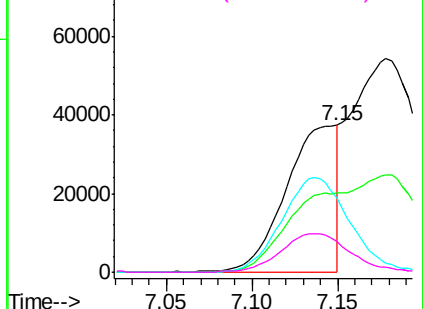
Tot Ion	Ratio	Resp	Lower	Upper
41	100	77115		
39	152.6	0.0	0.0	0.0#
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

Manual Integrations
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MMDadoda
3/4/2020 10:43:40 AM

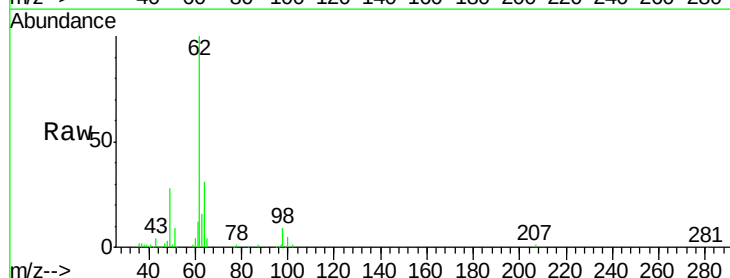


Abundance Ion 41.00 (40.70 to 41.70): VN060335.D (-1579) (-)
Ion 39.00 (38.70 to 39.70): VN060335.D (-1579) (-)
Ion 67.00 (66.70 to 67.70): VN060335.D (-1579) (-)
Ion 52.00 (51.70 to 52.70): VN060335.D (-1579) (-)

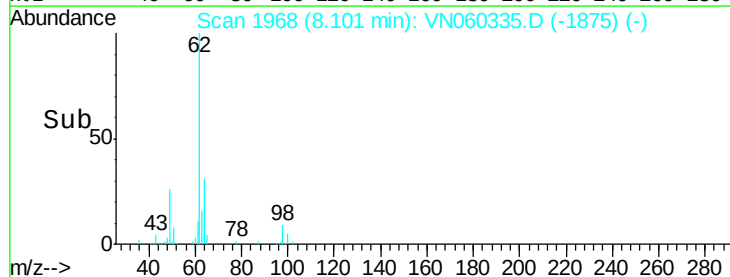
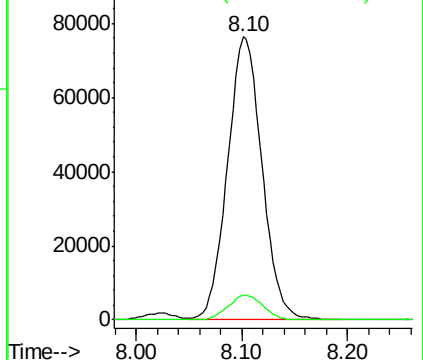


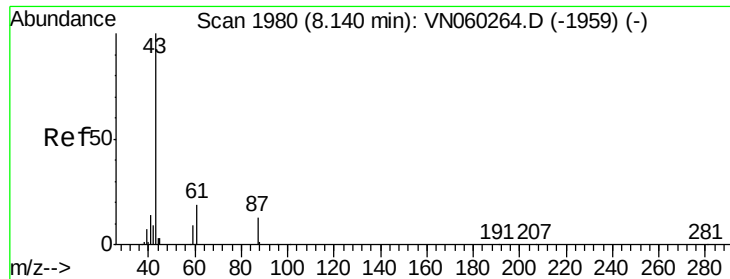
#42
1,2-Dichloroethane
Concen: 45.789 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	172227		
98	8.8	0.0	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN060335.D (-1875) (-)
Ion 97.90 (97.60 to 98.60): VN060335.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 48.159 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

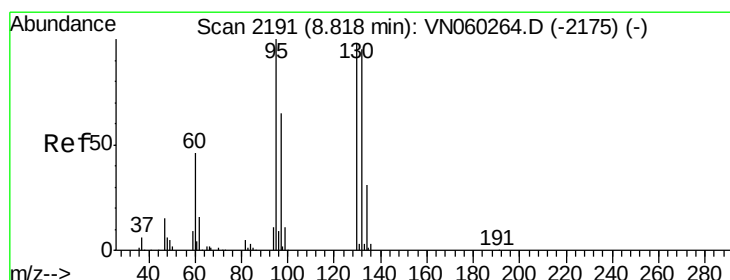
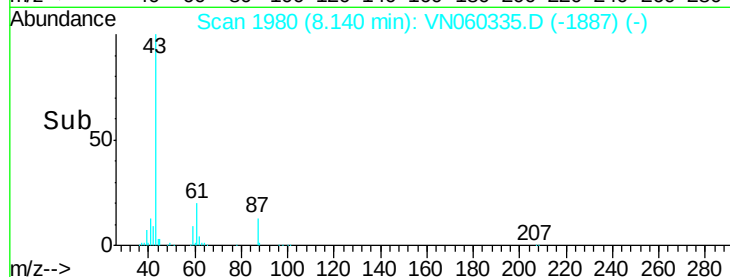
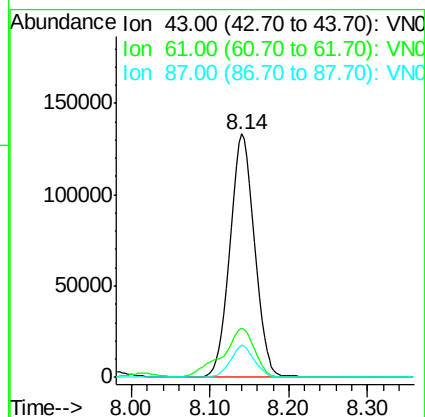
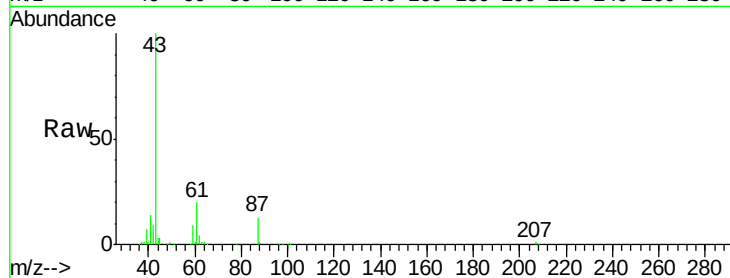
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	285895
Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.9	31.3
87	12.9	10.6	16.0

Manual Integrations
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MMDadoda
3/4/2020 10:43:40 AM



#44

Trichloroethene

Concen: 44.797 ug/l

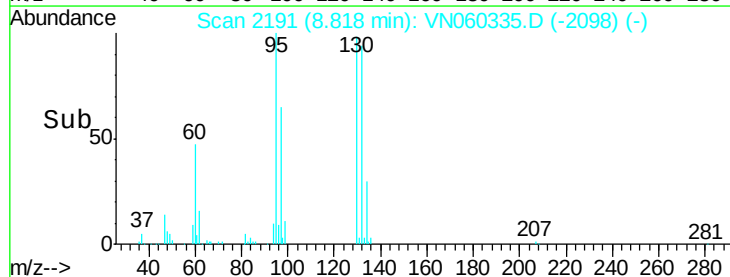
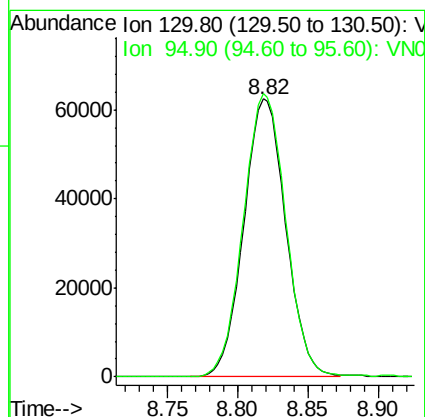
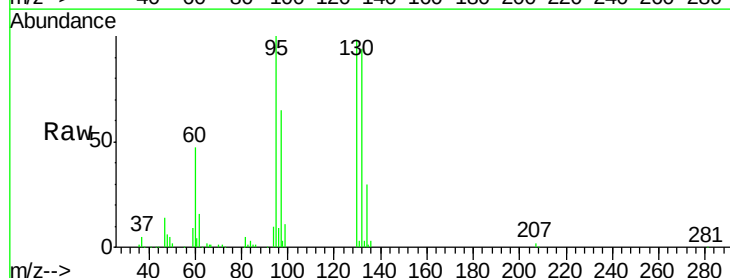
RT: 8.82 min Scan# 2191

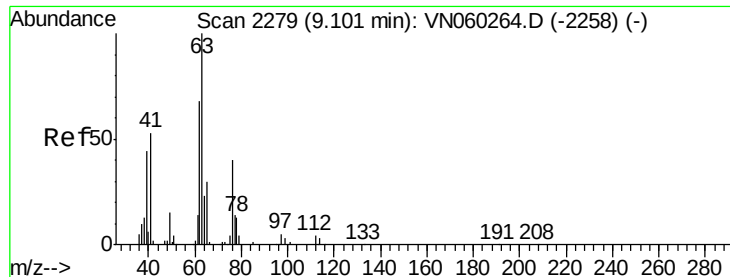
Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion:	130	Resp:	130044
Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.4





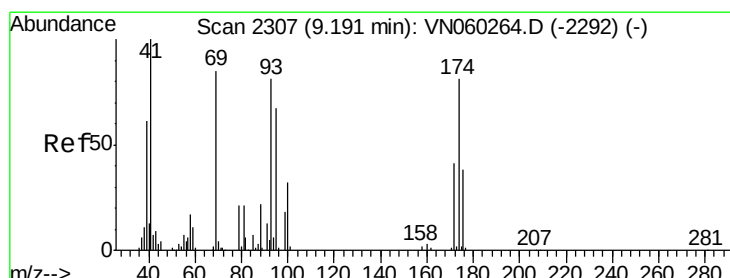
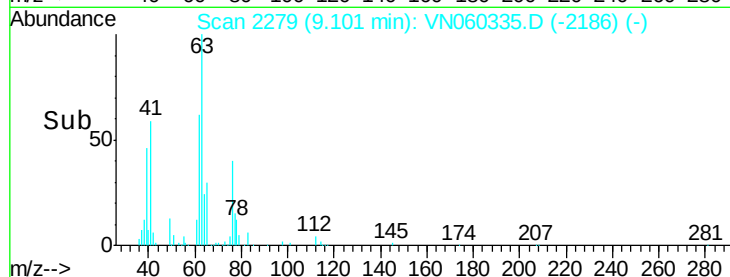
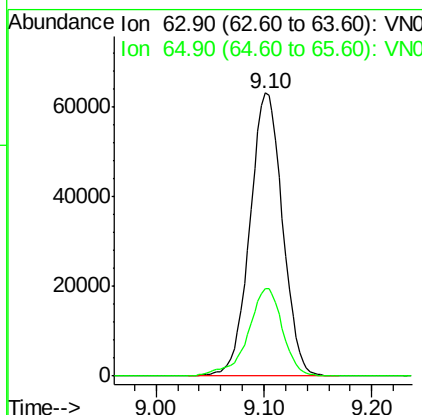
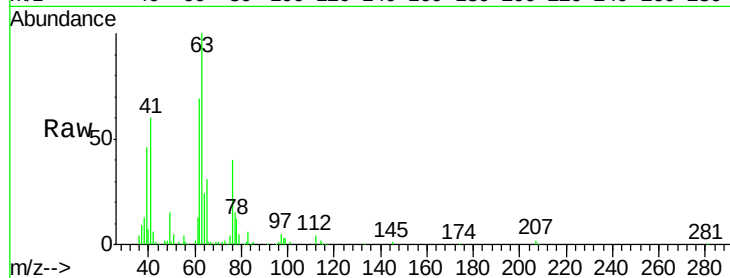
#45
 1,2-Dichloropropane
 Concen: 48.606 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.4	36.6

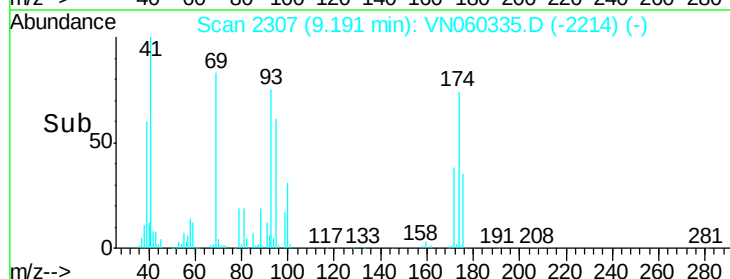
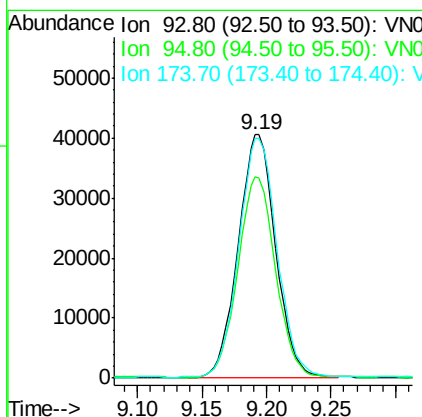
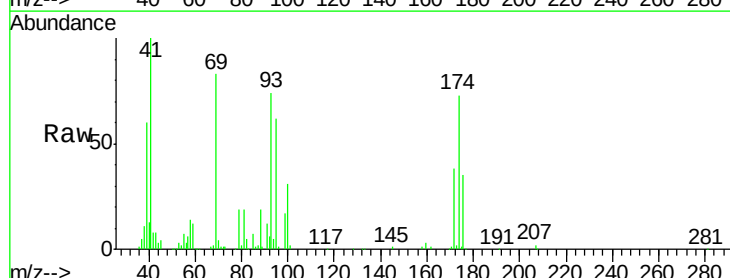
Manual Integrations
 APPROVED

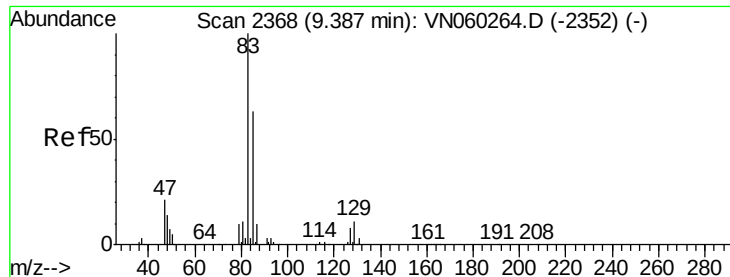
MMDadoda
 3/4/2020 10:43:40 AM



#46
 Dibromomethane
 Concen: 46.519 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.9	98.9
174	101.4	79.6	119.4





#47

Bromodichloromethane

Concen: 48.235 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

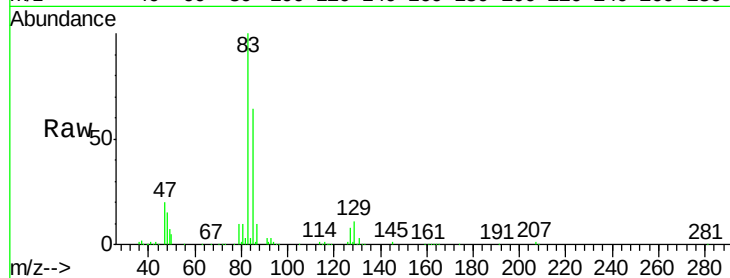
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	173476
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.7	76.1
127	8.2	6.8	10.2

Manual Integrations
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MMDadoda
3/4/2020 10:43:40 AM

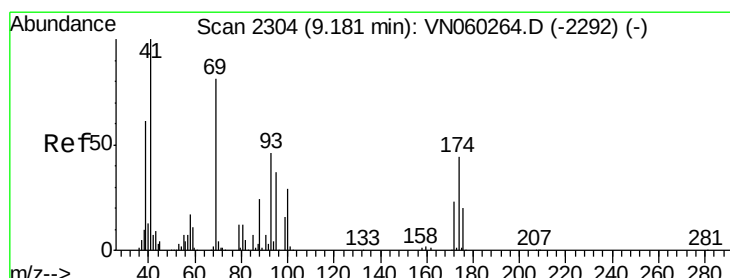
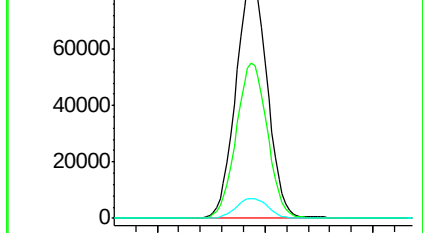
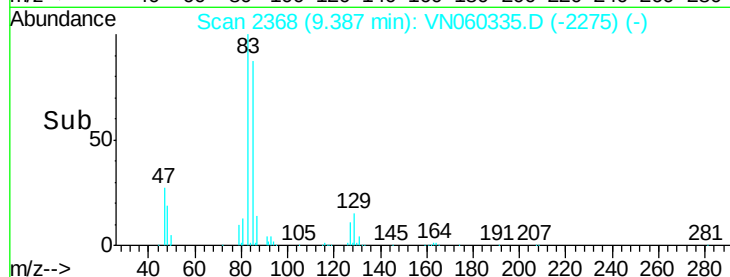


Abundance Ion 82.90 (82.60 to 83.60): VN060335.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060335.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060335.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 47.298 ug/l

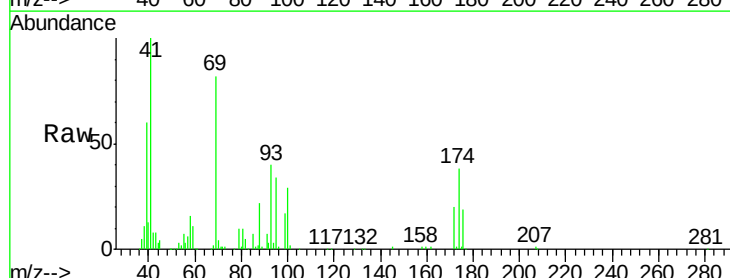
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion:	41	Resp:	128041
Ion	Ratio	Lower	Upper
41	100		
69	85.4	66.7	100.1
39	61.7	50.1	75.1

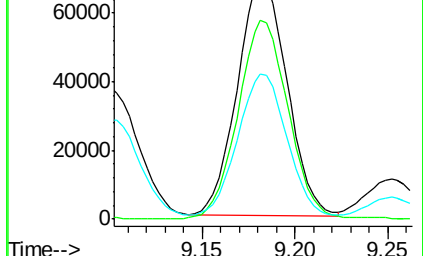
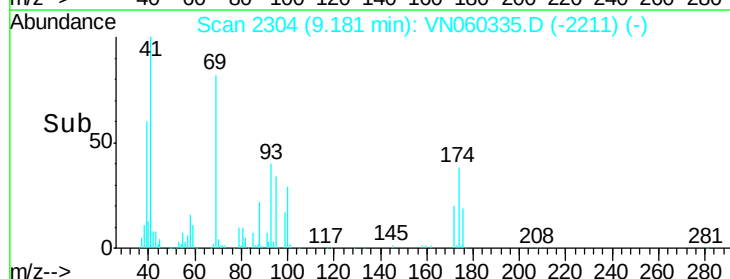


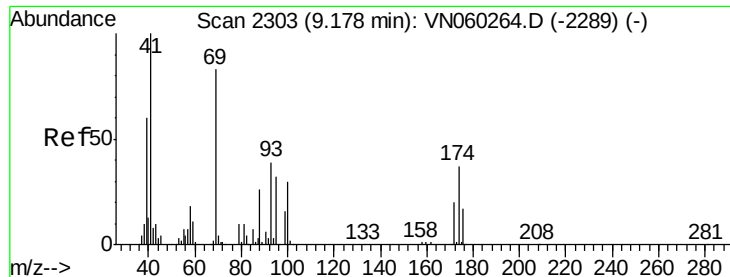
Abundance Ion 41.00 (40.70 to 41.70): VN060335.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060335.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060335.D (-2211) (-)

Time-->





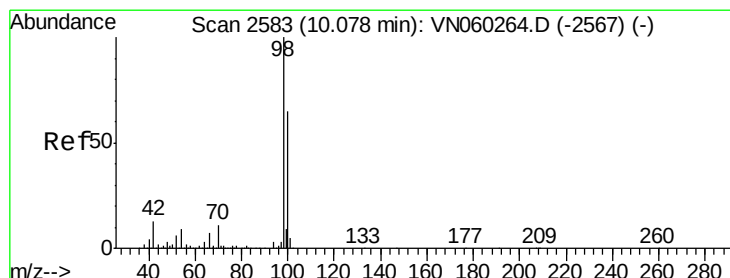
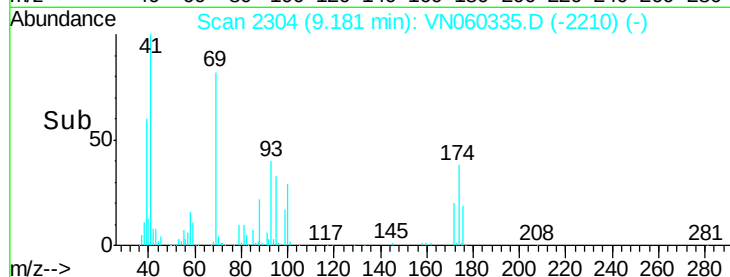
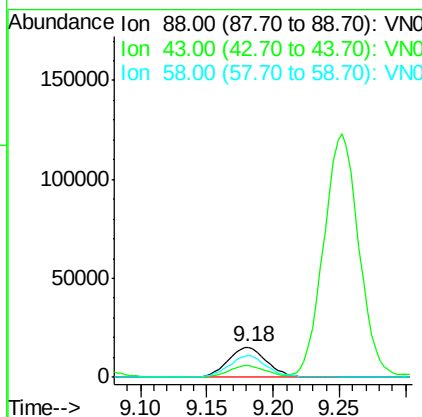
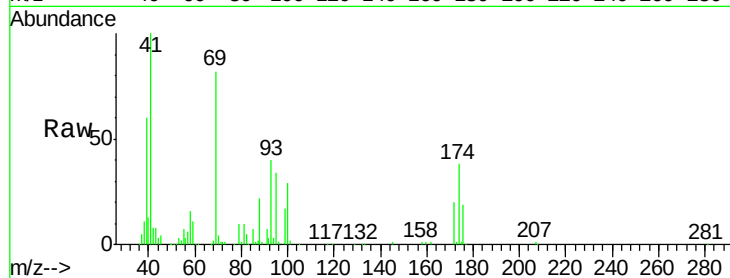
#49
1,4-Dioxane
Concen: 809.287 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	30809
Ion	Ratio	Lower	Upper
88	100		
43	38.9	30.4	45.6
58	70.7	57.0	85.6

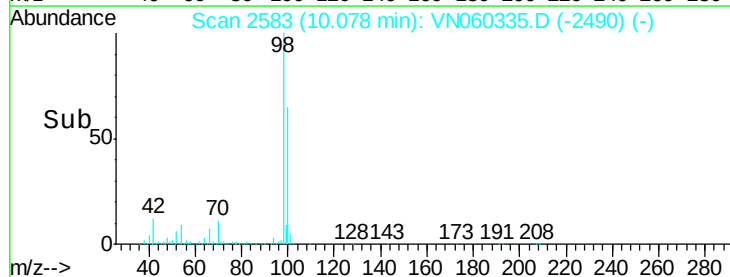
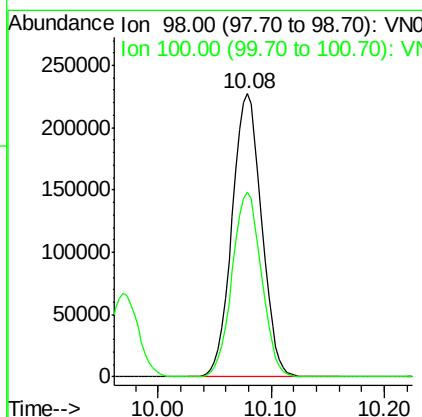
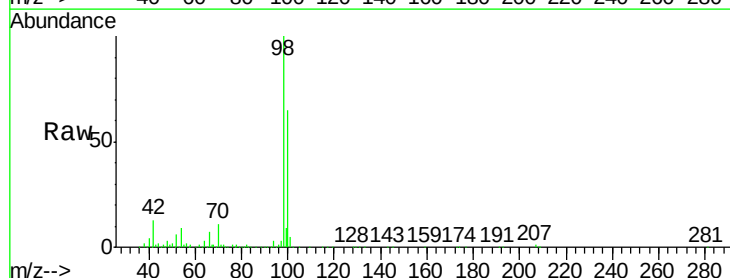
Manual Integrations
APPROVED

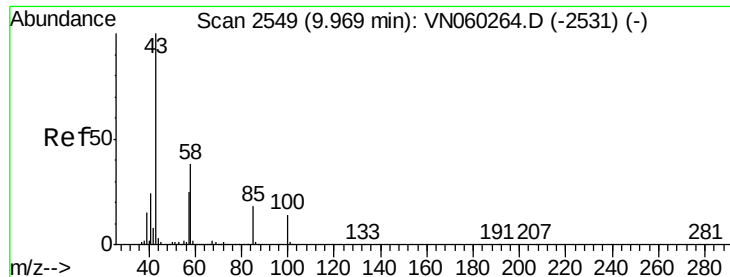
MMDadoda
3/4/2020 10:43:40 AM



#50
Toluene-d8
Concen: 46.870 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	98	Resp	413742
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 247.120 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 831775

Ion Ratio Lower Upper

43 100

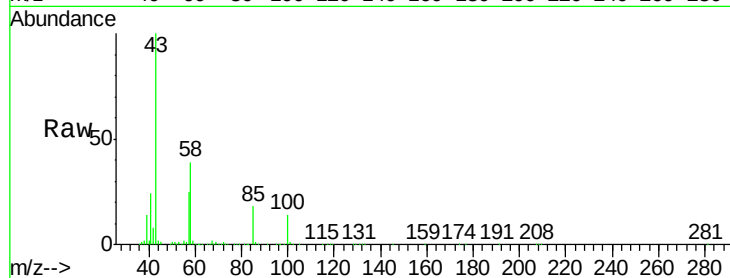
58 38.6 30.9 46.3

Manual Integrations

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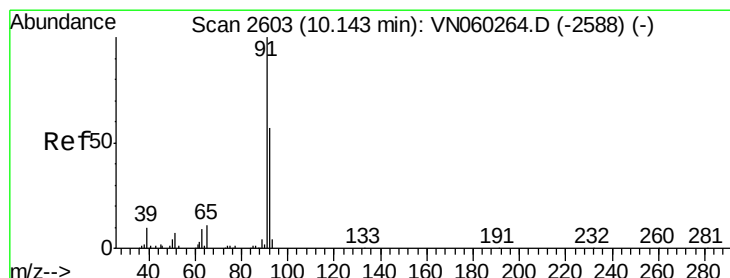
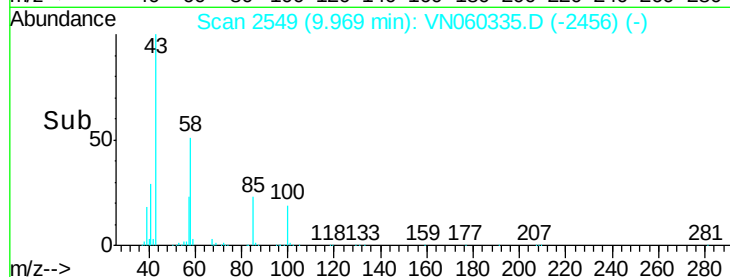
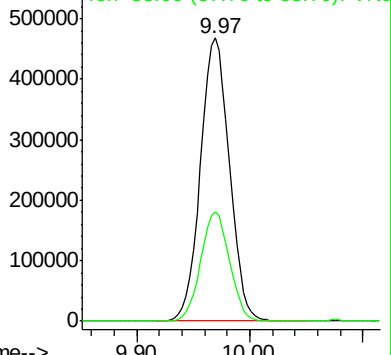
MMDadoda

3/4/2020 10:43:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 46.433 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060335.D

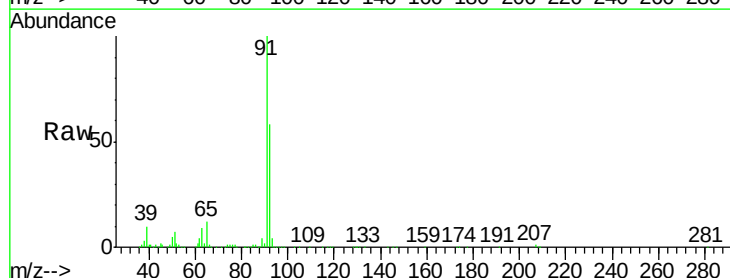
Acq: 3 Mar 2020 17:20

Tgt Ion: 92 Resp: 304023

Ion Ratio Lower Upper

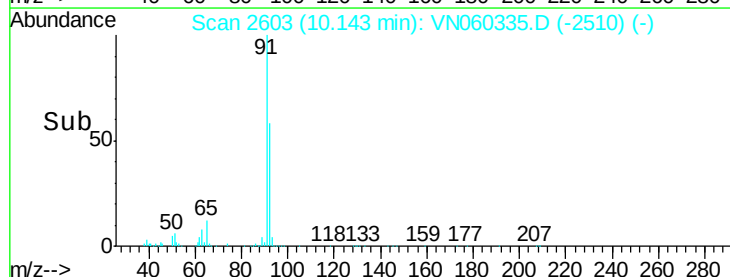
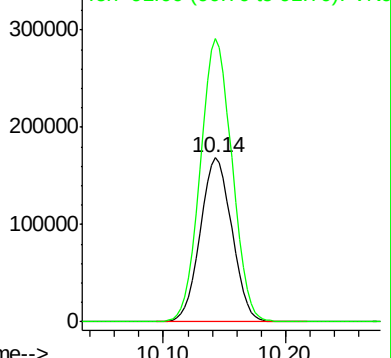
92 100

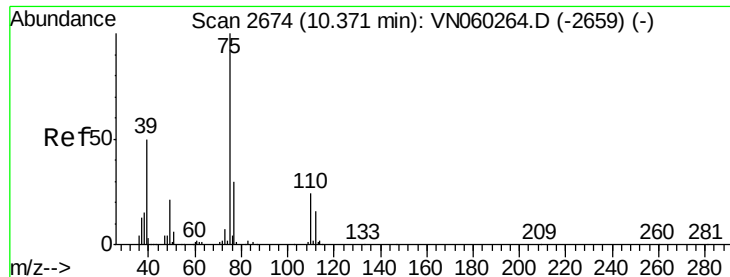
91 172.4 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





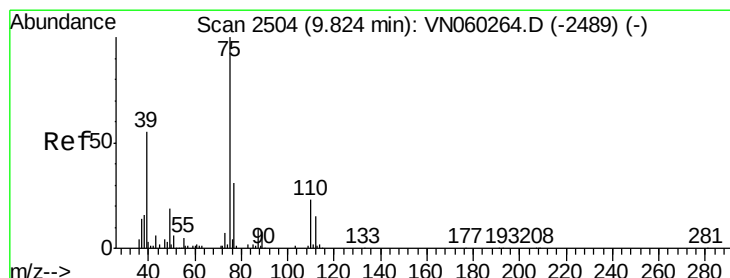
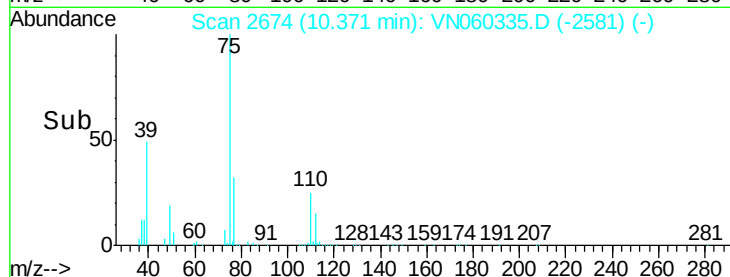
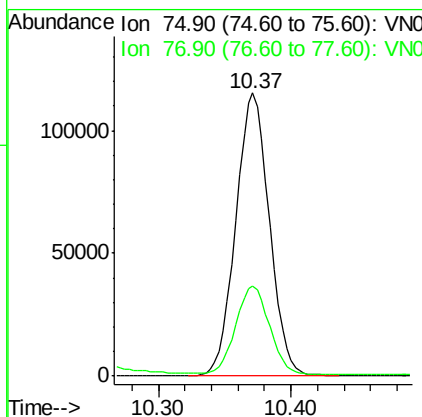
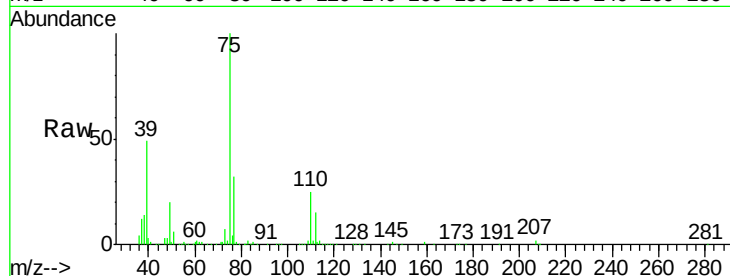
#53
t-1,3-Dichloropropene
Concen: 46.049 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.8	37.2

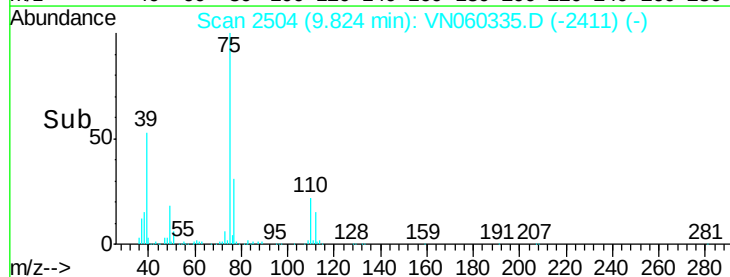
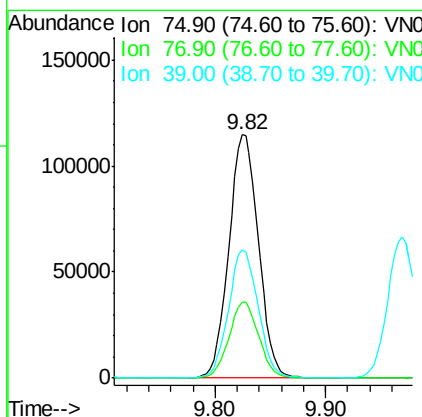
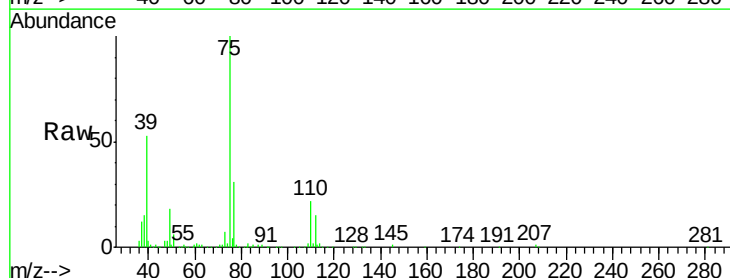
Manual Integrations
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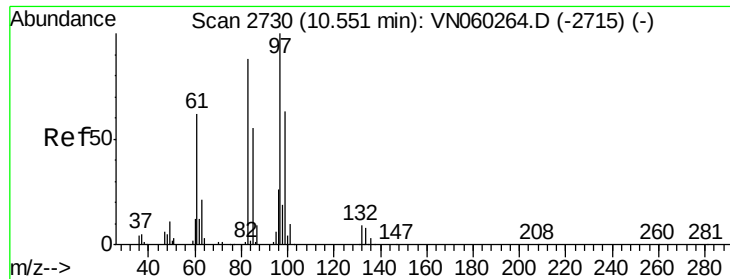
MMDadoda
3/4/2020 10:43:40 AM



#54
cis-1,3-Dichloropropene
Concen: 46.689 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.8	37.2
39	52.7	43.8	65.8





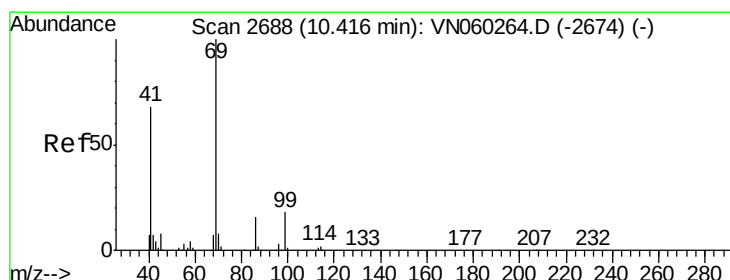
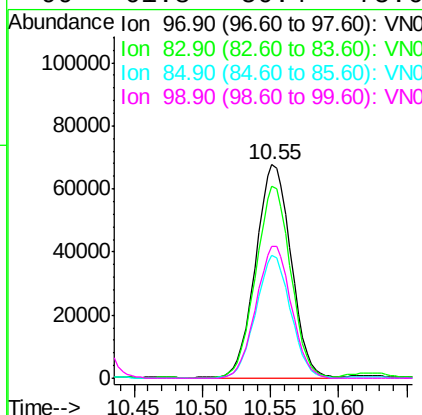
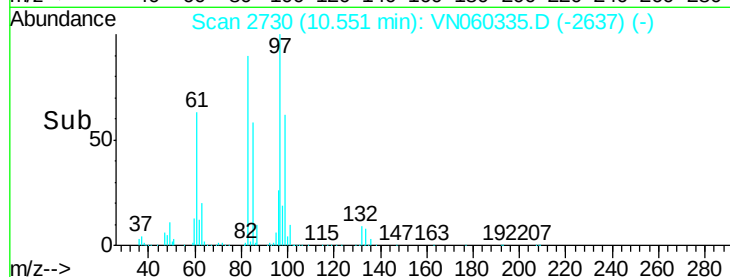
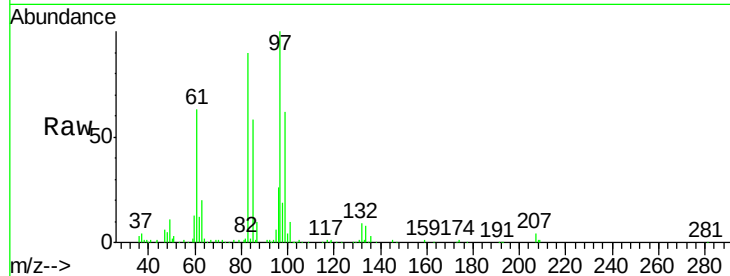
#55
 1,1,2-Trichloroethane
 Concen: 46.206 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	121663
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.0	105.0
85	57.7	44.0	66.0
99	61.8	50.4	75.6

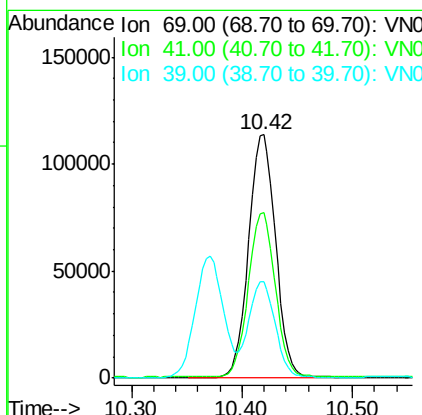
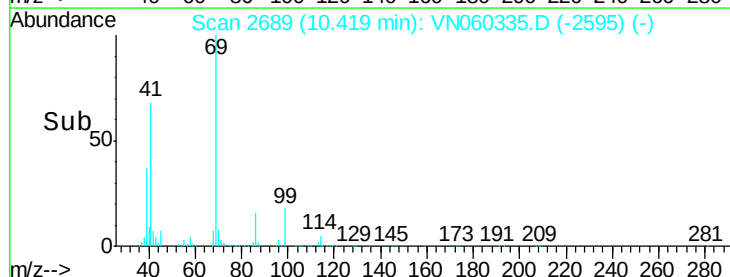
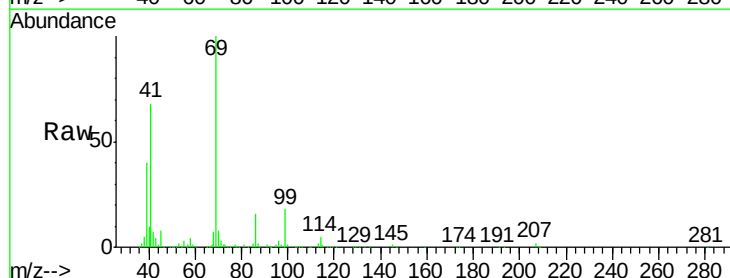
Manual Integrations
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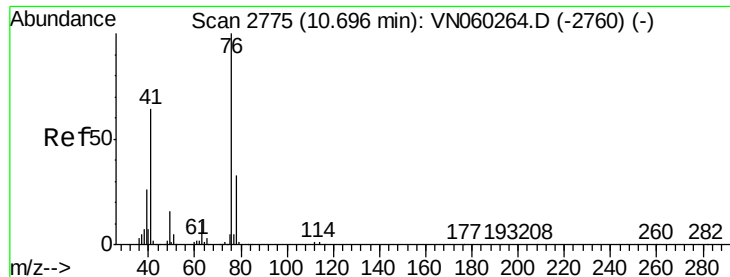
MMDadoda
 3/4/2020 10:43:40 AM



#56
 Ethyl methacrylate
 Concen: 50.849 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion:	69	Resp:	192351
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.1	81.1
39	38.2	32.5	48.7





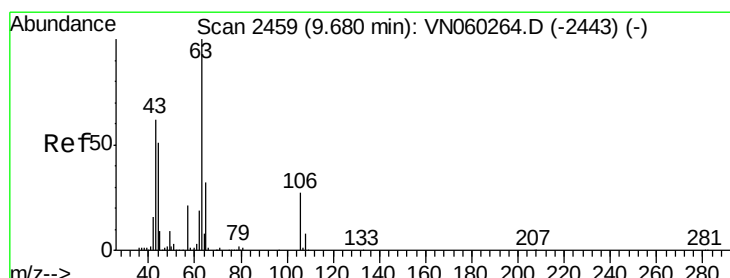
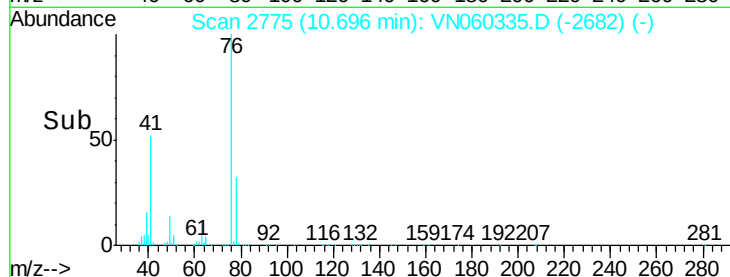
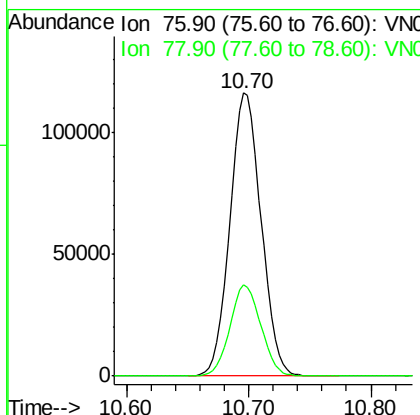
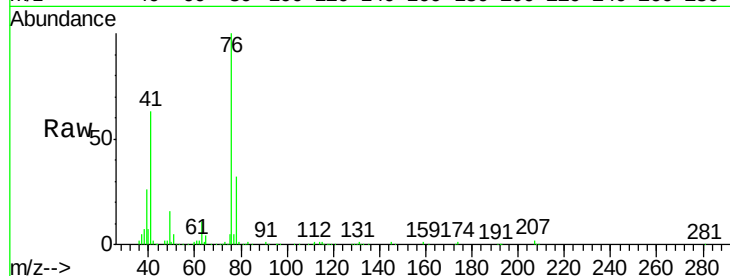
#57
 1,3-Dichloropropane
 Concen: 48.265 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.2

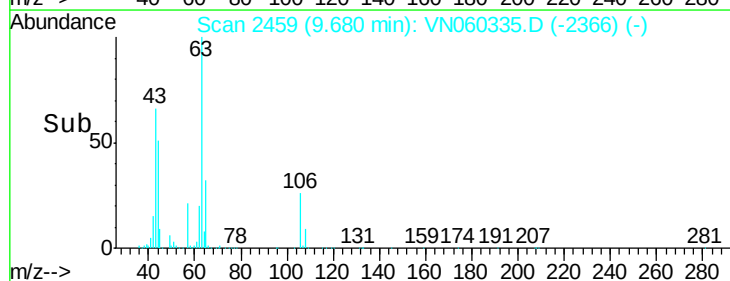
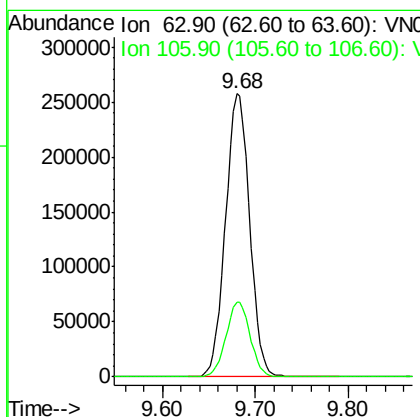
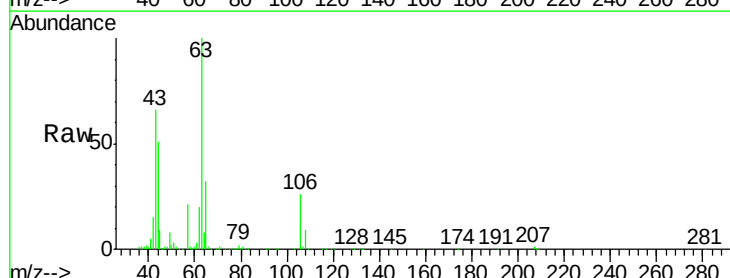
Manual Integrations
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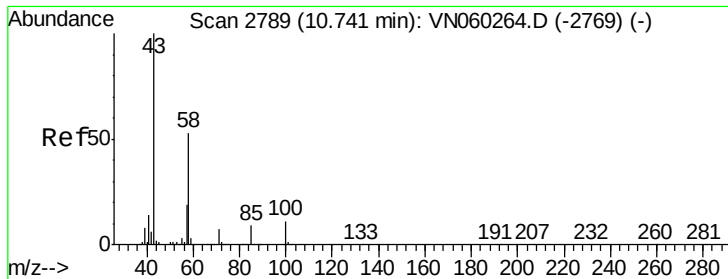
MMDadoda
 3/4/2020 10:43:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.222 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.1	31.7





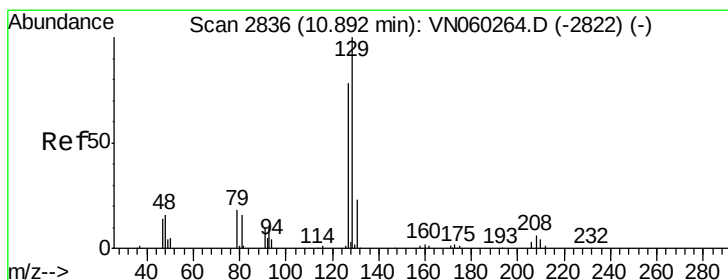
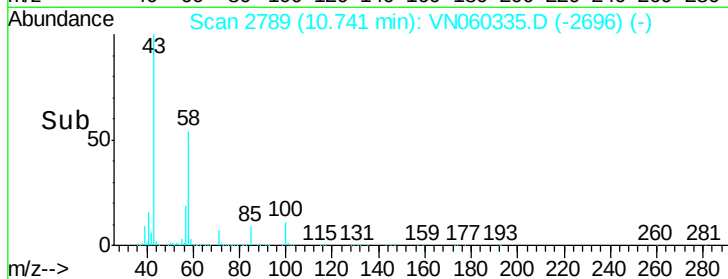
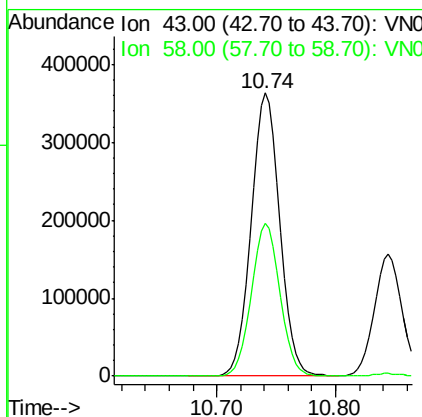
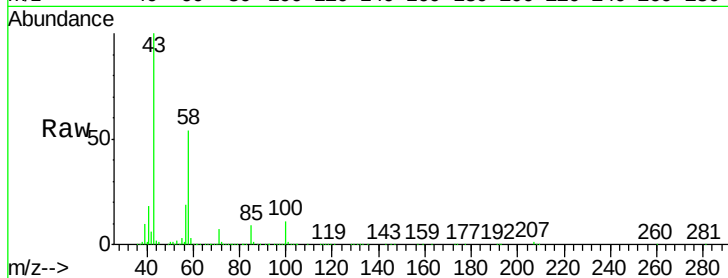
#59
2-Hexanone
Concen: 243.502 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 601769
Ion Ratio Lower Upper
43 100
58 54.0 26.5 79.5

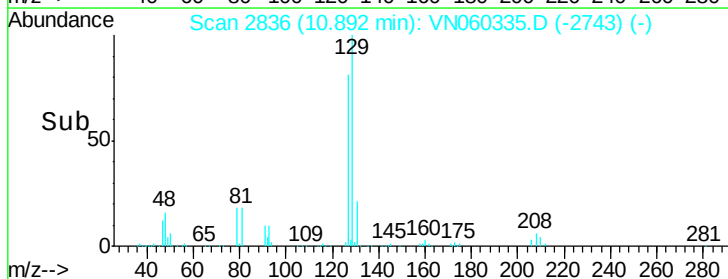
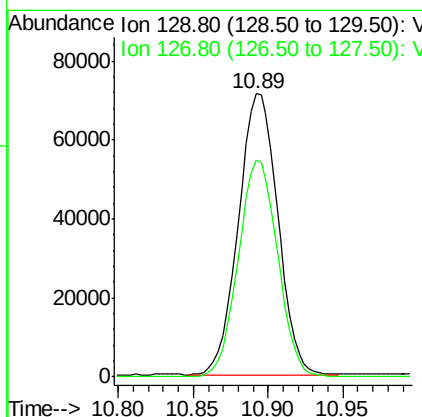
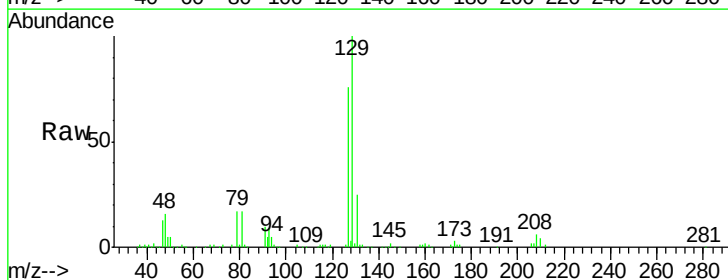
Manual Integrations
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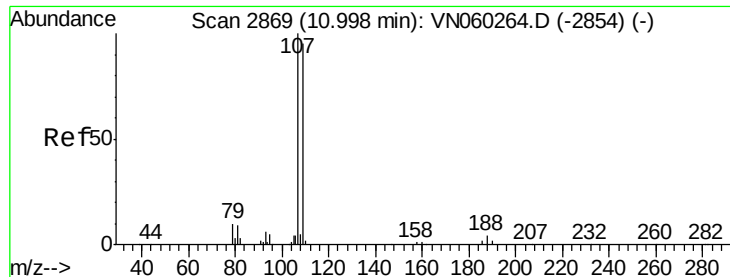
MMDadoda
3/4/2020 10:43:40 AM



#60
Dibromochloromethane
Concen: 48.658 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 129 Resp: 130292
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 47.994 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 123189

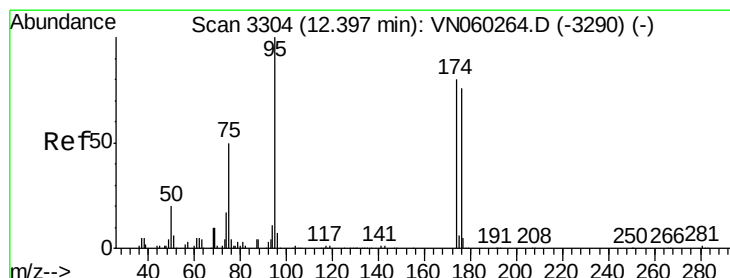
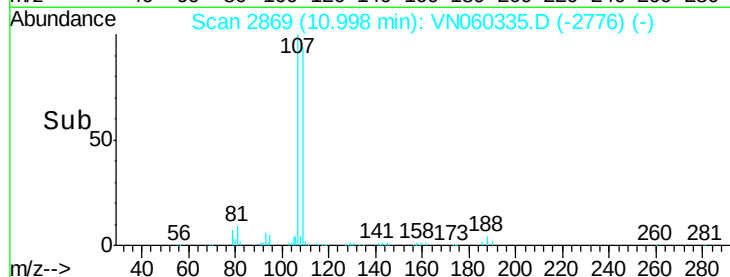
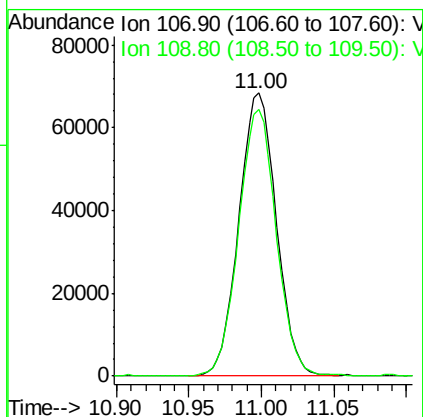
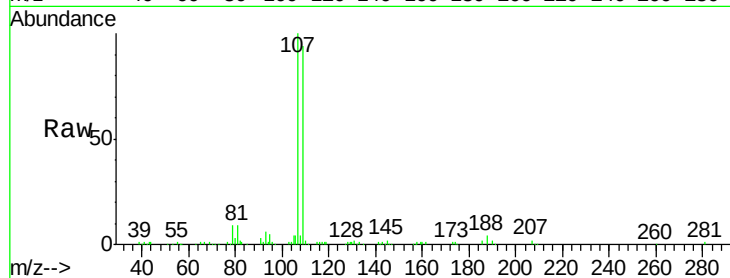
Ion Ratio Lower Upper

107 100

109 93.8 76.8 115.2

Manual Integrations
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MMDadoda
3/4/2020 10:43:40 AM



#62

4-Bromofluorobenzene

Concen: 48.056 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

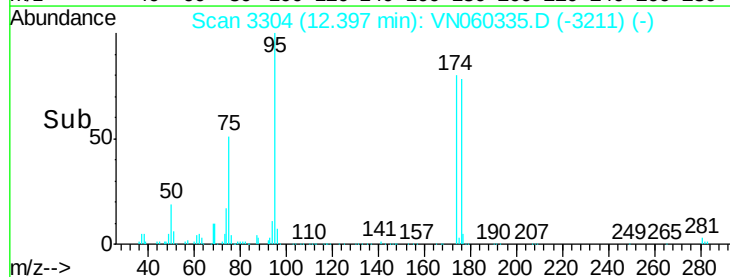
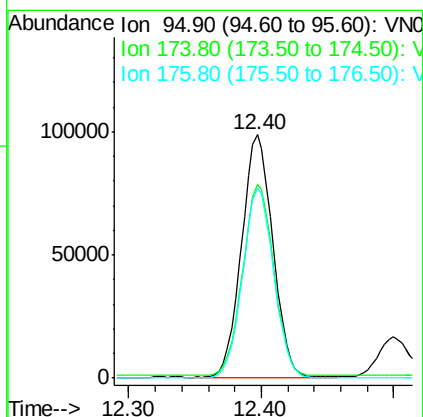
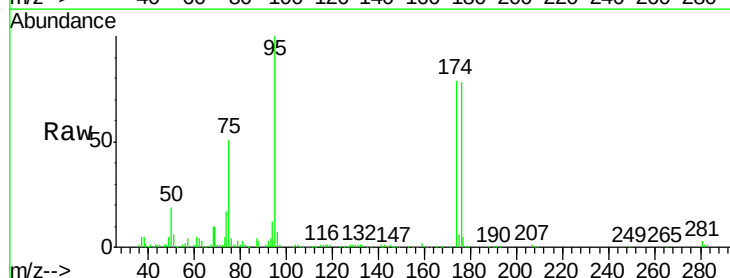
Tgt Ion: 95 Resp: 160809

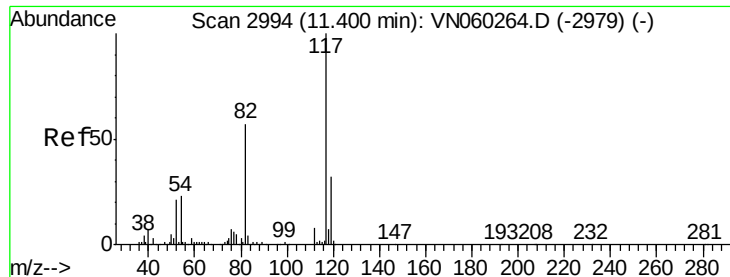
Ion Ratio Lower Upper

95 100

174 78.5 0.0 159.2

176 78.3 0.0 153.8





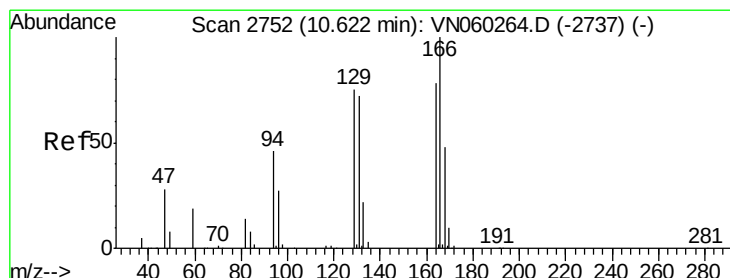
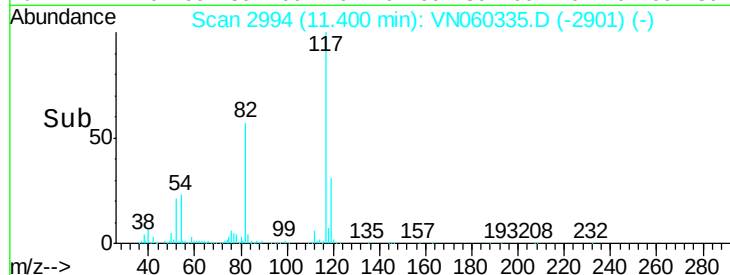
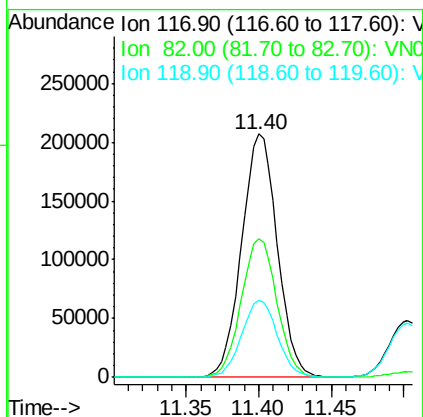
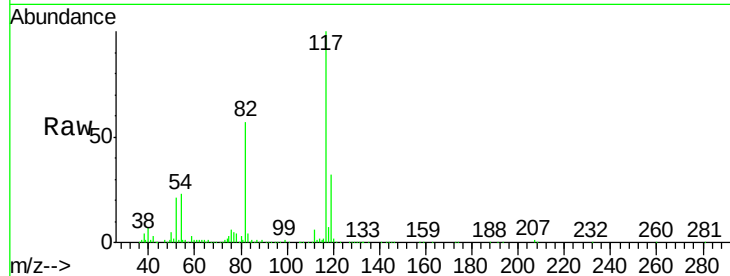
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	352036		
82	57.1		45.8	68.6
119	31.5		25.8	38.8

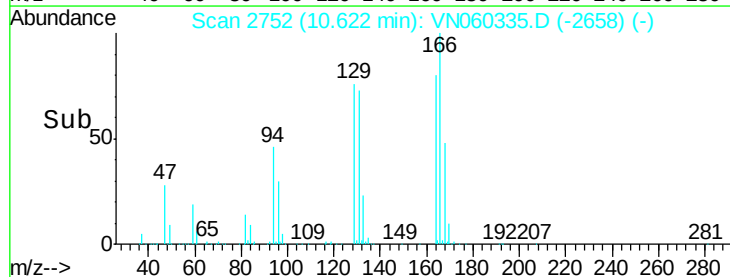
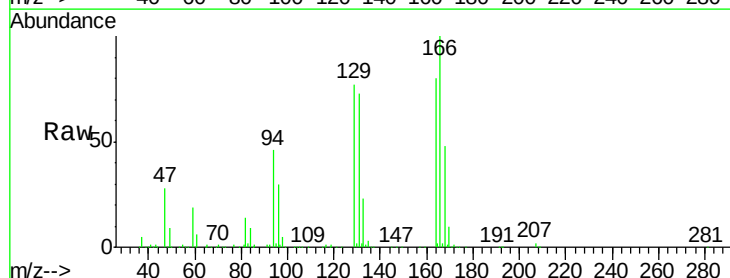
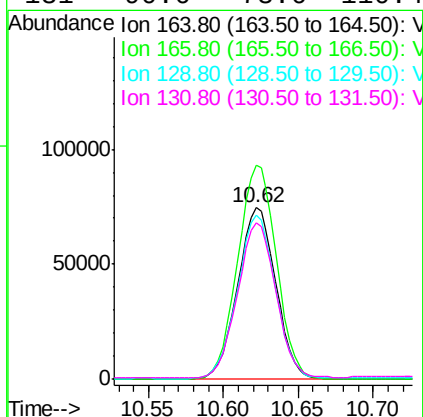
Manual Integrations
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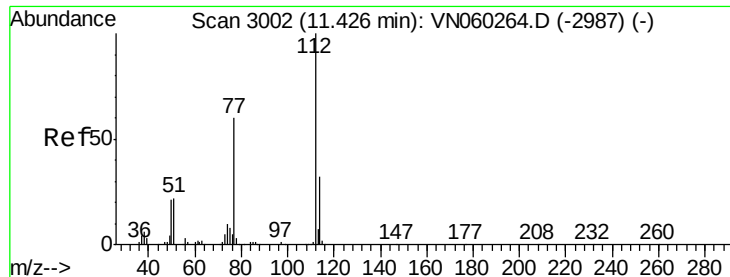
MMDadoda
3/4/2020 10:43:40 AM



#64
Tetrachloroethene
Concen: 47.616 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	132166		
166	124.7		102.0	153.0
129	95.3		76.4	114.6
131	90.6		73.6	110.4





#65

Chlorobenzene

Concen: 44.916 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 319282

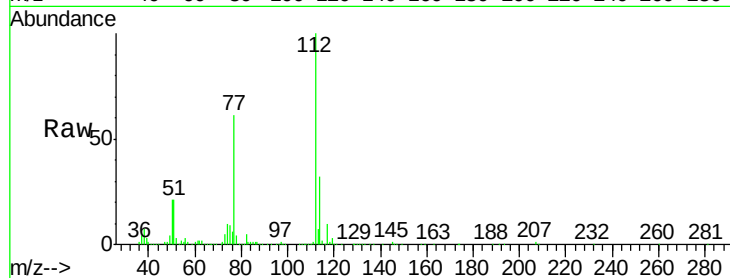
Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0

Manual Integrations
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MMDadoda
3/4/2020 10:43:40 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

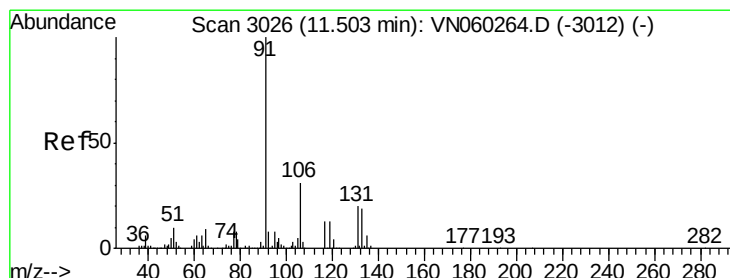
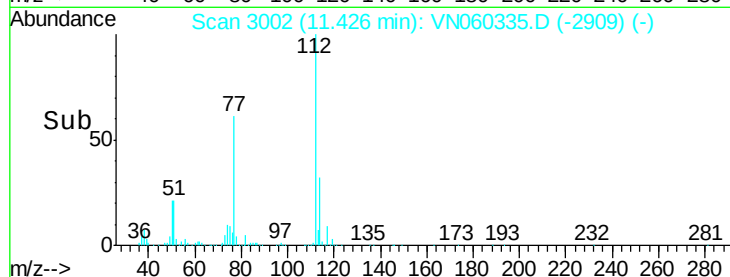
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.926 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

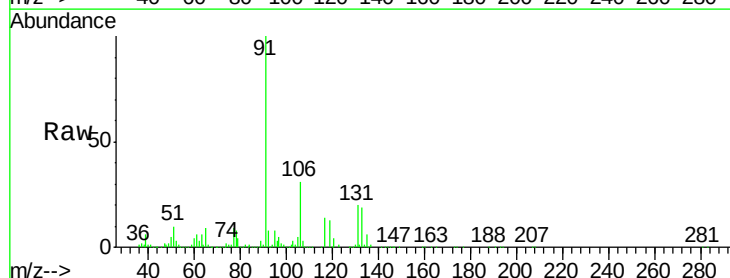
Tgt Ion:131 Resp: 123338

Ion Ratio Lower Upper

131 100

133 93.9 47.7 143.1

119 65.9 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

80000

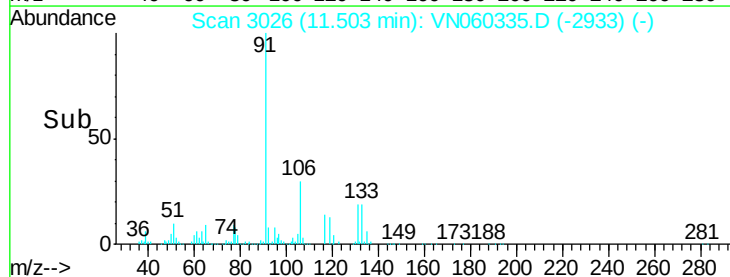
60000

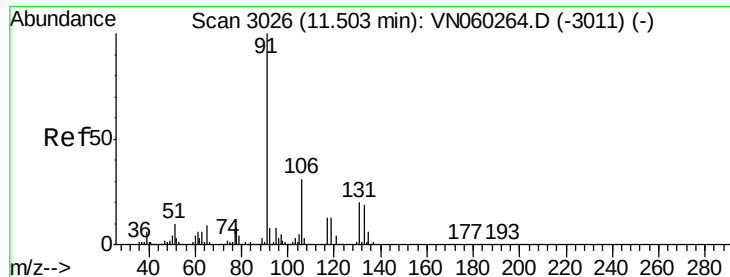
40000

20000

0

Time-->





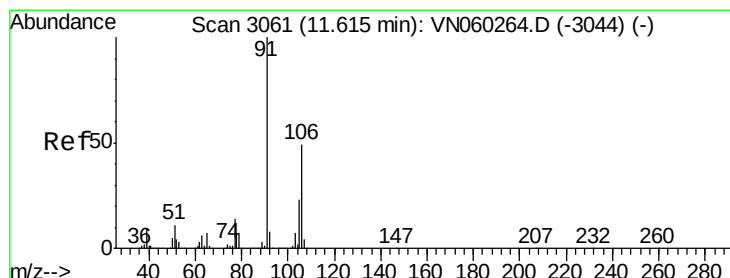
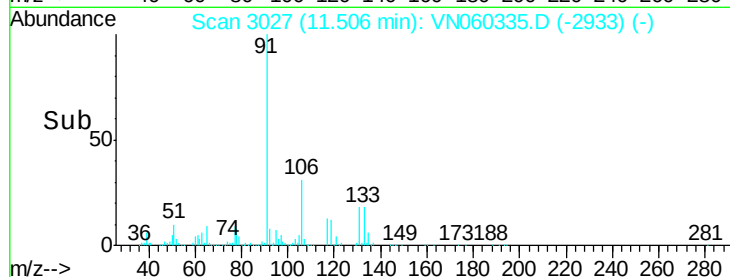
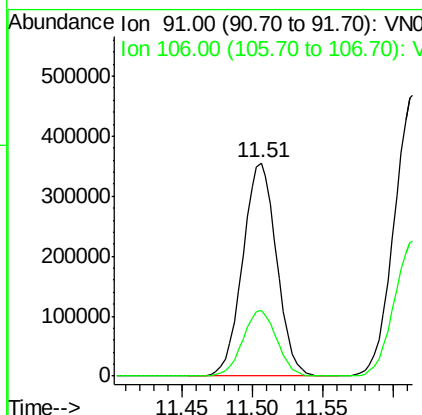
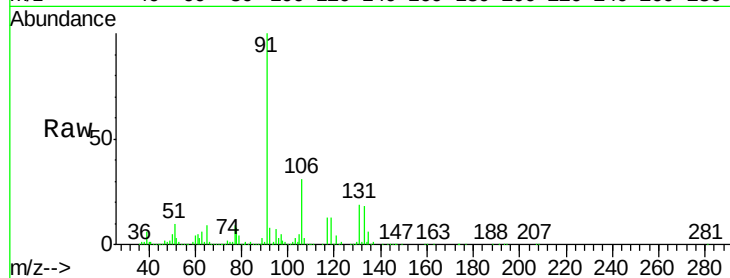
#67
Ethyl Benzene
Concen: 45.995 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 595416
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1

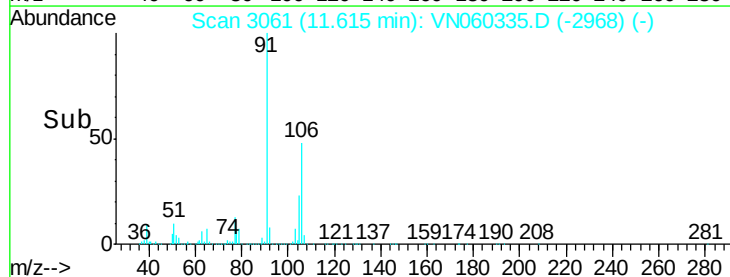
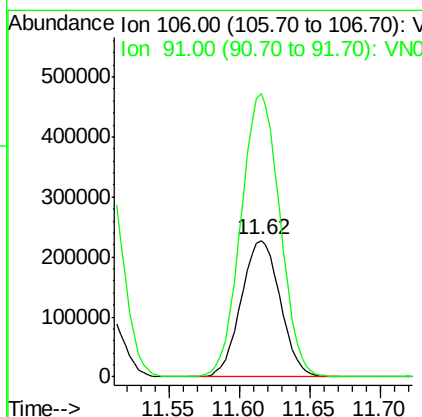
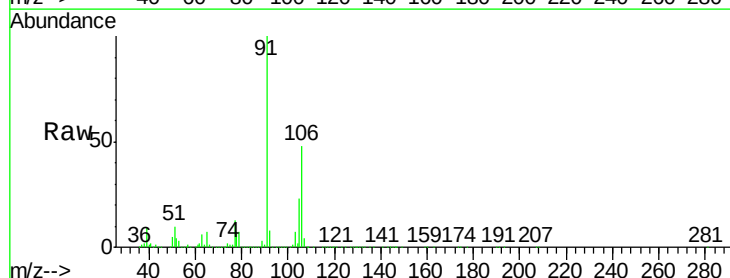
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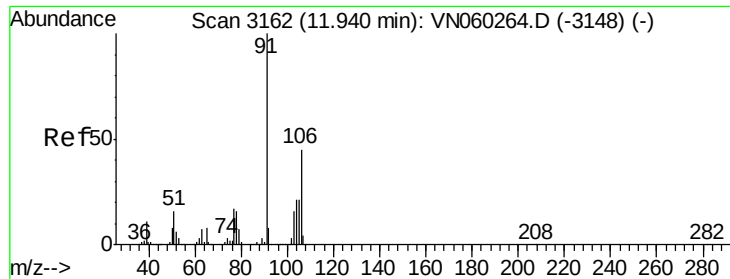
MMDadoda
3/4/2020 10:43:40 AM



#68
m/p-Xylenes
Concen: 90.165 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 106 Resp: 440375
Ion Ratio Lower Upper
106 100
91 206.4 164.5 246.7





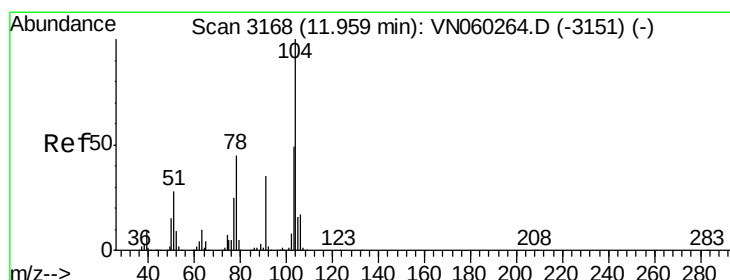
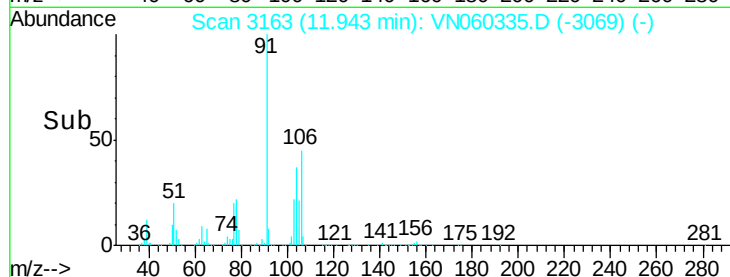
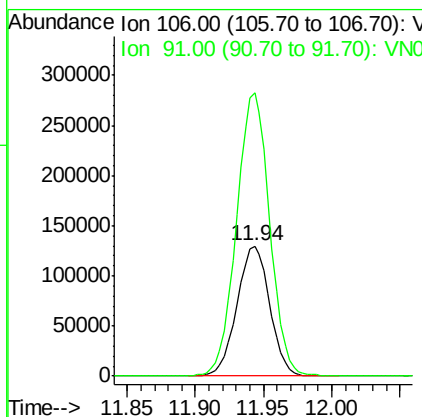
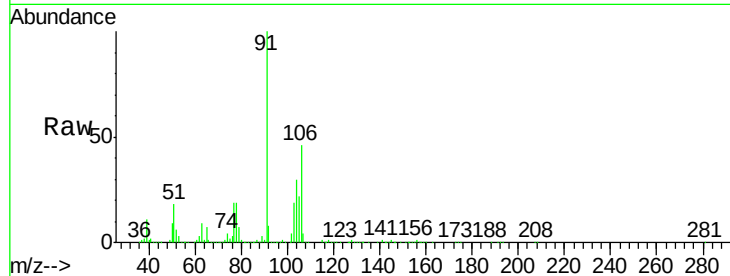
#69
o-Xylene
Concen: 46.262 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 215463
Ion Ratio Lower Upper
106 100
91 218.5 109.5 328.4

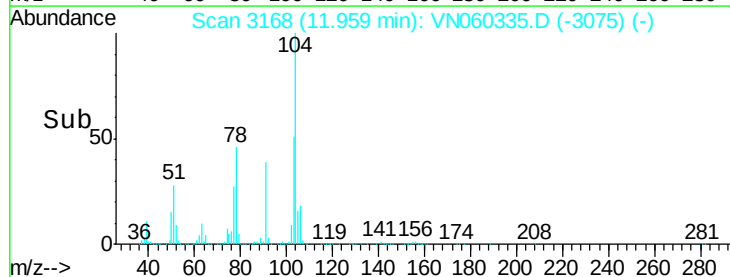
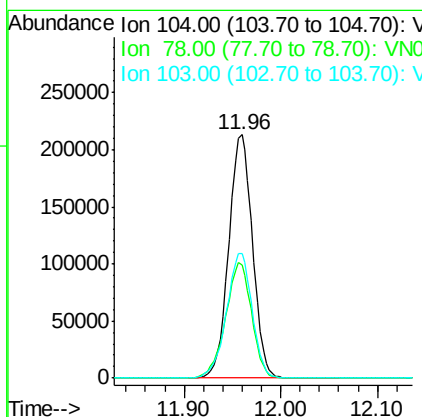
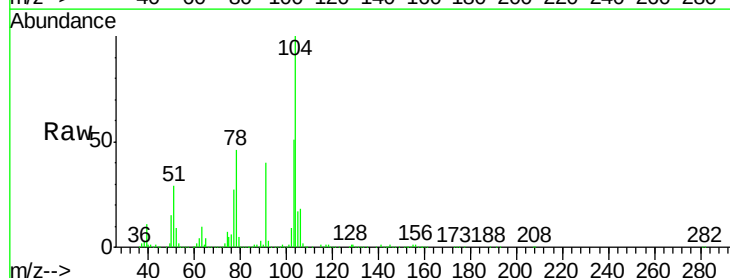
Manual Integrations
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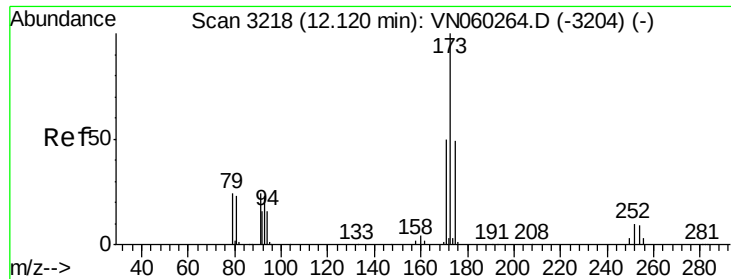
MMDadoda
3/4/2020 10:43:40 AM



#70
Styrene
Concen: 47.330 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion:104 Resp: 362425
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 54.7 43.9 65.9





#71

Bromoform

Concen: 49.141 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

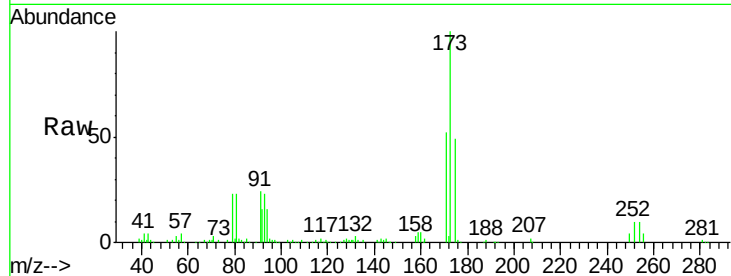
ClientSampleId :

VSTDCCC050EC

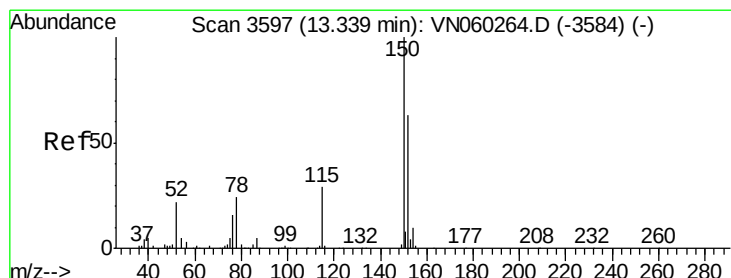
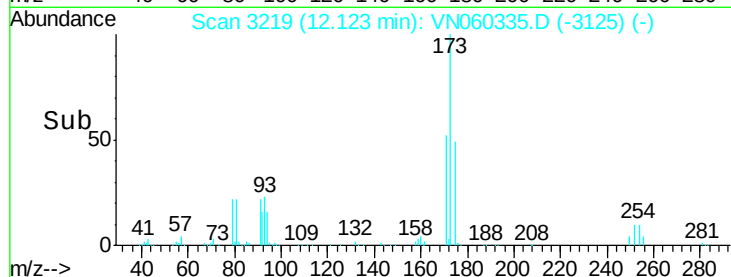
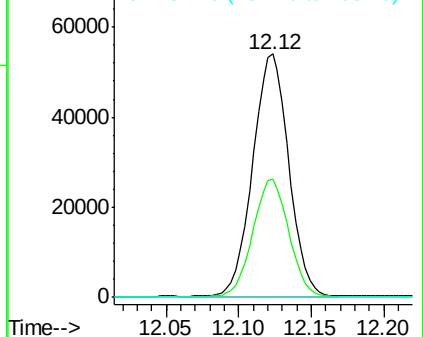
Tot Ion:	173	Resp:	93086
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.1	72.2
254	0.0	0.0	0.0

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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

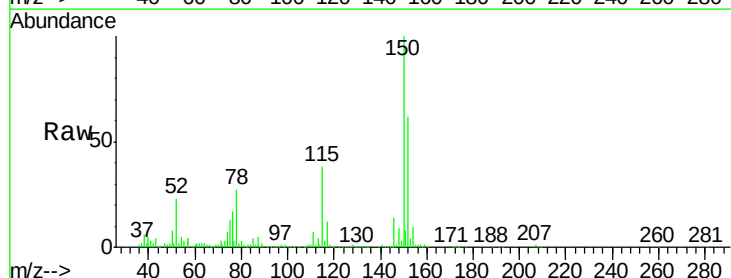
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

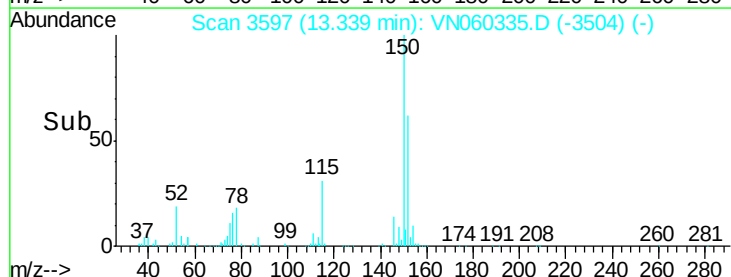
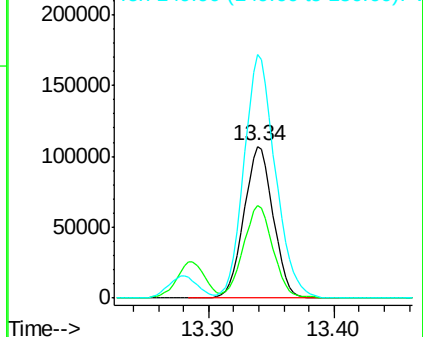
Lab File: VN060335.D

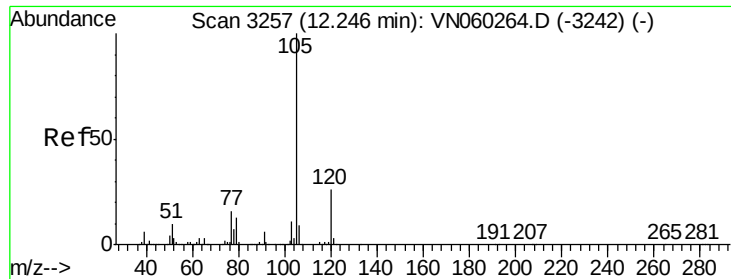
Acq: 3 Mar 2020 17:20

Tgt Ion:	152	Resp:	173354
Ion Ratio	Lower	Upper	
152	100		
115	60.6	30.0	90.0
150	172.6	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: 45.401 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 583352

Ion Ratio Lower Upper

105 100

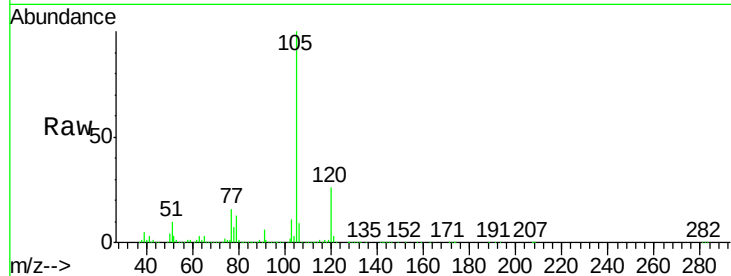
120 26.1 13.0 38.9

Manual Integrations

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MMDadoda

3/4/2020 10:43:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

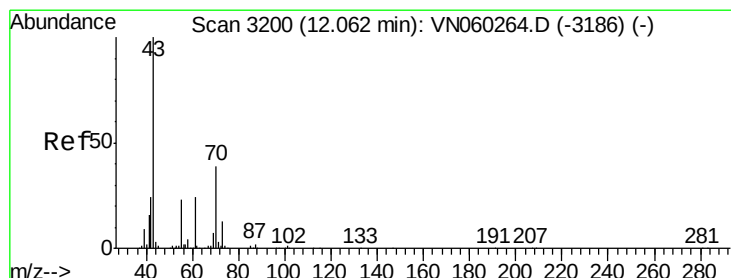
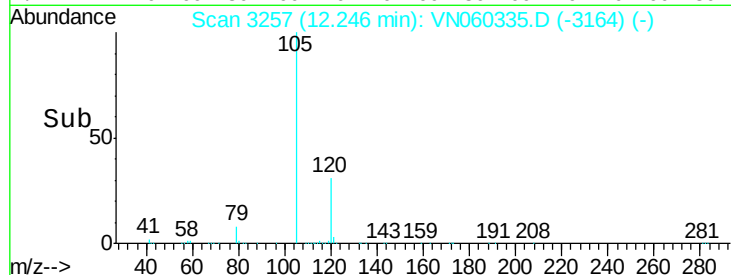
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 47.235 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion: 43 Resp: 265205

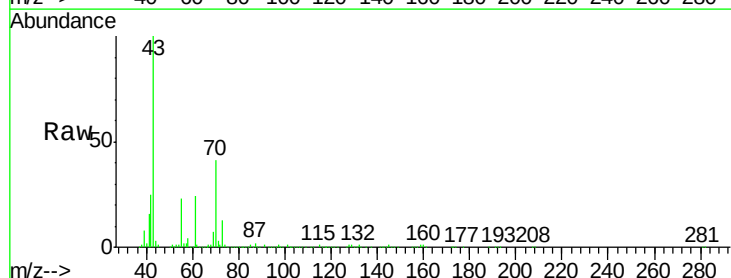
Ion Ratio Lower Upper

43 100

70 39.5 32.2 48.2

55 22.9 18.2 27.4

61 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

250000

200000

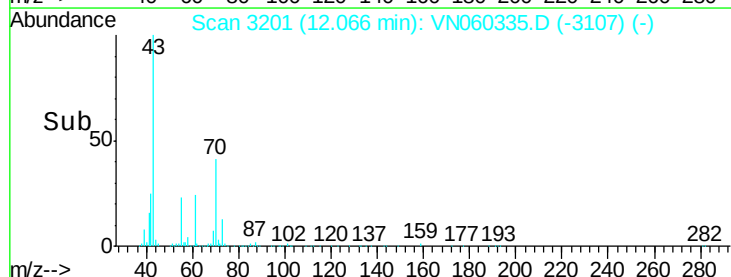
150000

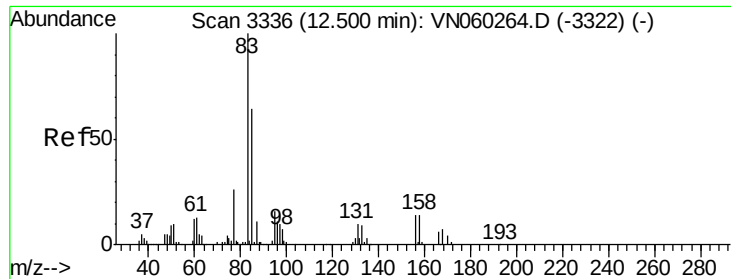
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.114 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

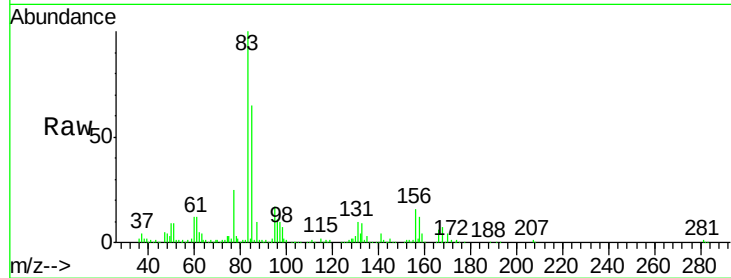
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	168043
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.1	15.3
85	64.5	32.3	96.8

Manual Integrations
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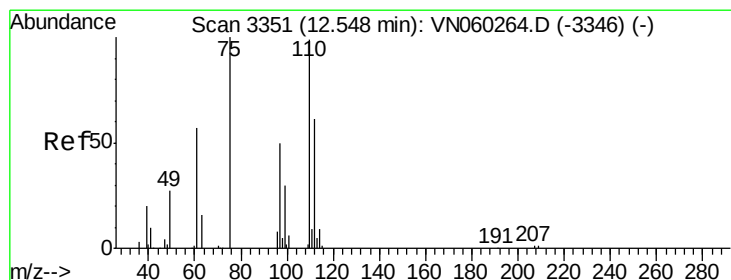
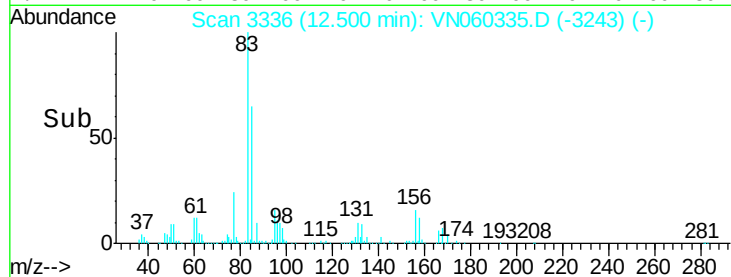
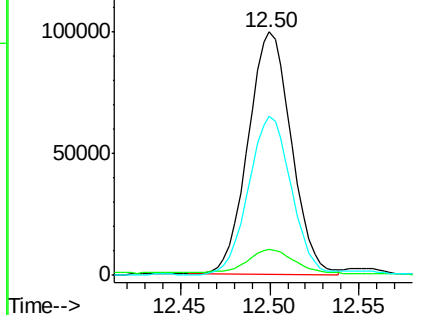
MMDadoda
3/4/2020 10:43:40 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060335.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060335.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060335.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 43.102 ug/l m

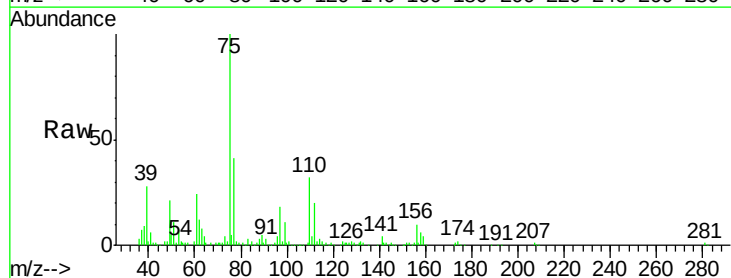
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060335.D

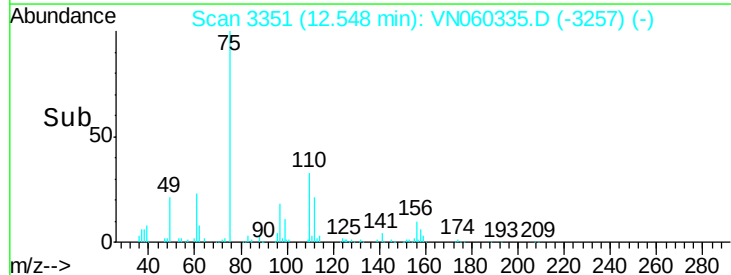
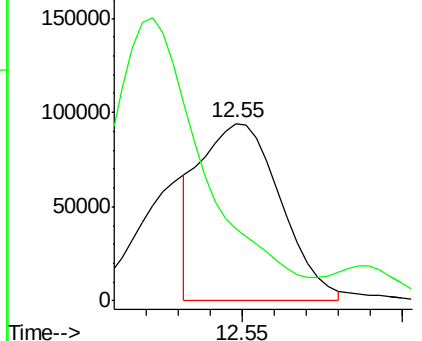
Acq: 3 Mar 2020 17:20

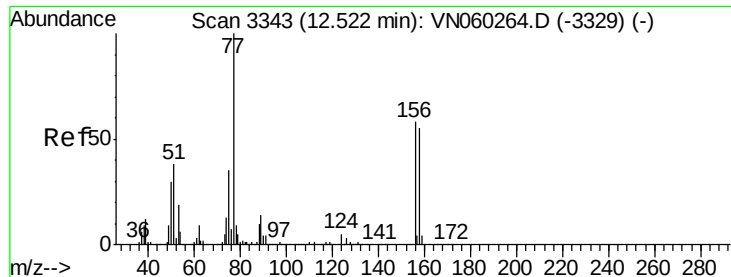
Tgt Ion:	75	Resp:	163935
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060335.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060335.D (-3257) (-)





#77

Bromobenzene

Concen: 54.457 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

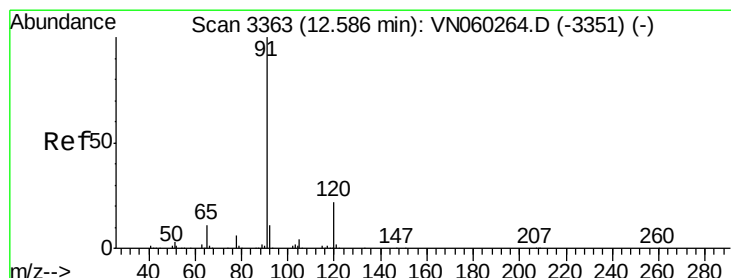
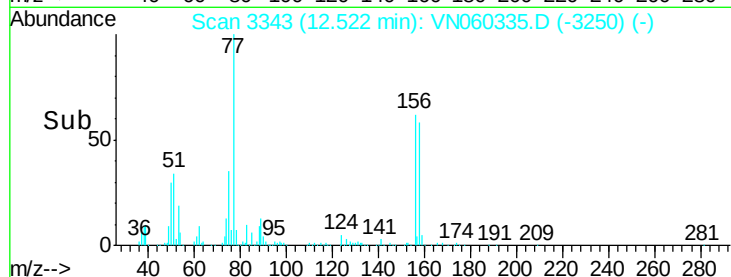
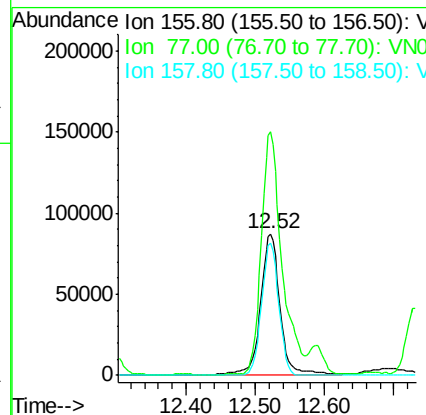
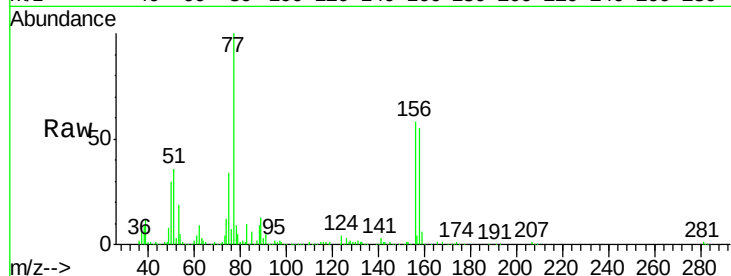
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	171516
Ion Ratio	Lower	Upper	
156	100		
77	178.0	106.1	318.3
158	81.0	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 45.940 ug/l

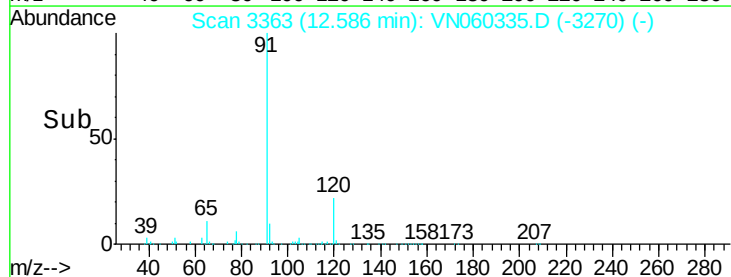
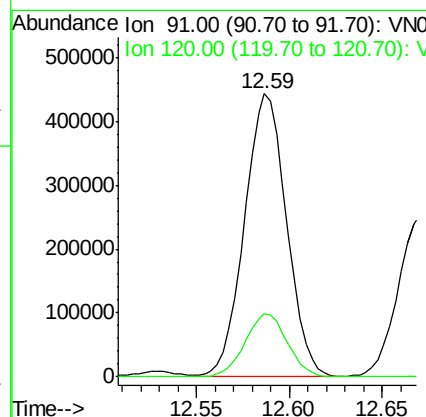
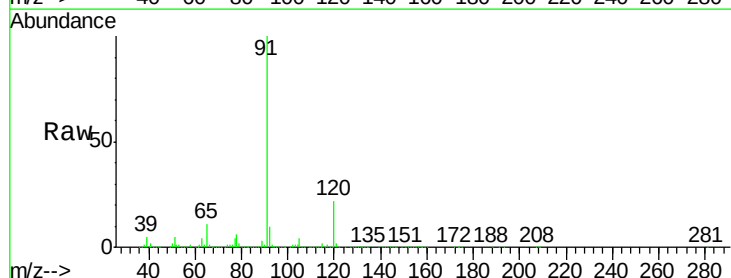
RT: 12.59 min Scan# 3363

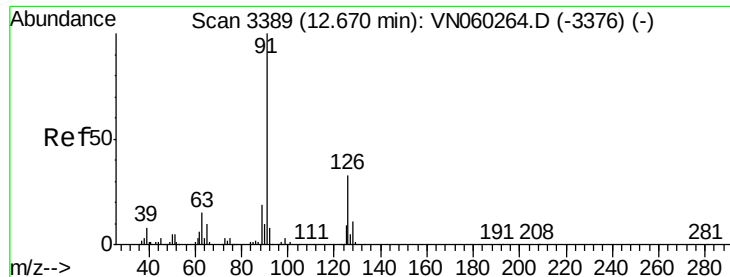
Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion:	91	Resp:	691914
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 45.509 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 402899

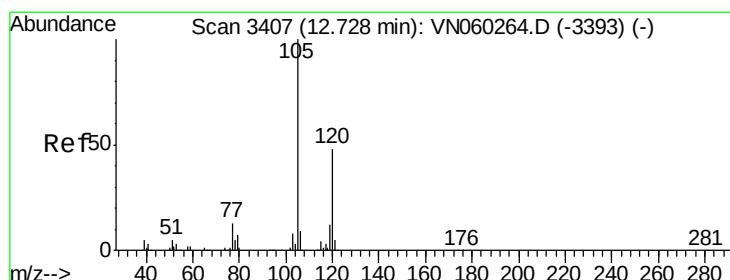
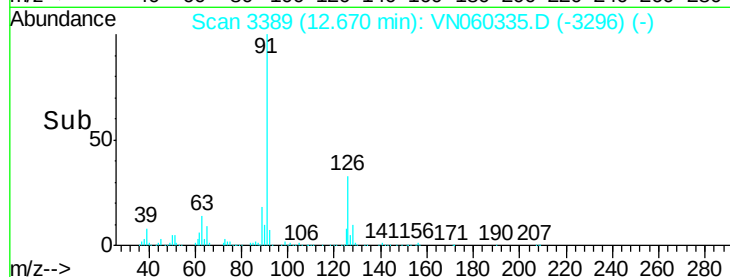
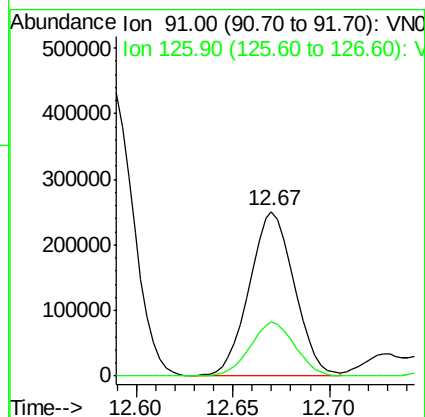
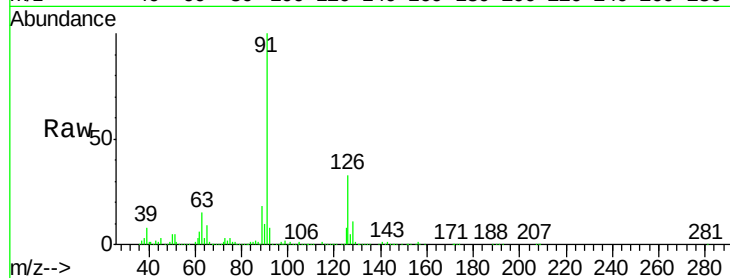
Ion Ratio Lower Upper

91 100

126 33.1 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 46.521 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060335.D

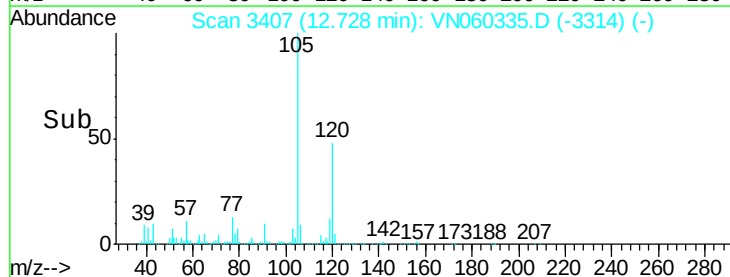
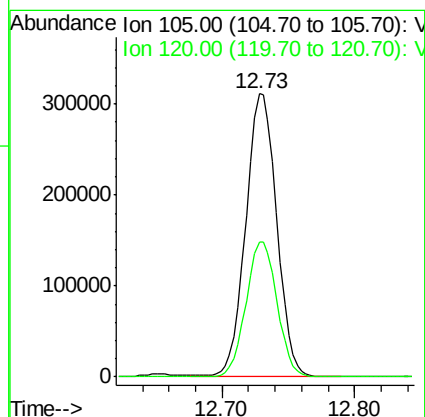
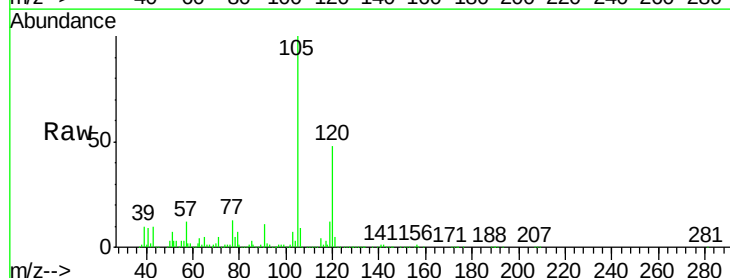
Acq: 3 Mar 2020 17:20

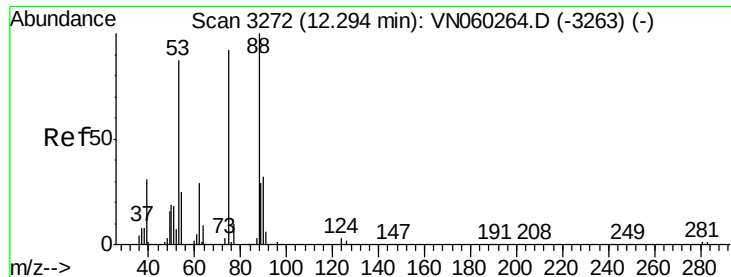
Tgt Ion: 105 Resp: 503264

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4





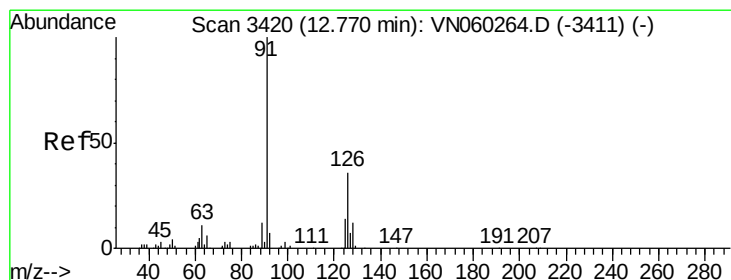
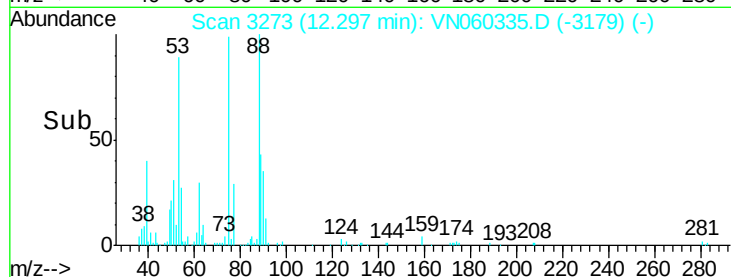
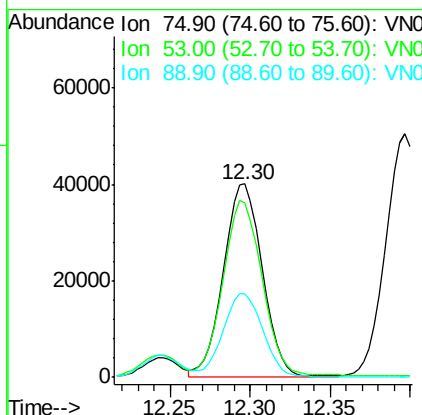
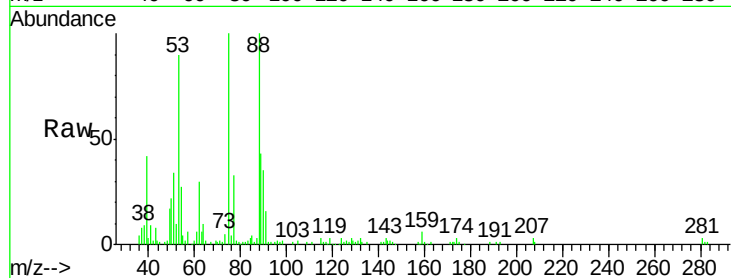
#81
trans-1,4-Dichloro-2-butene
Concen: 48.251 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.0	73.8	110.6
89	43.3	57.1	85.7

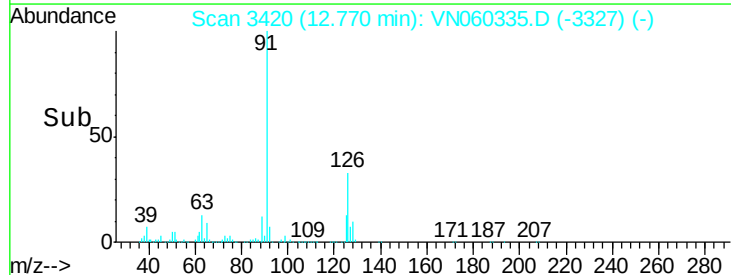
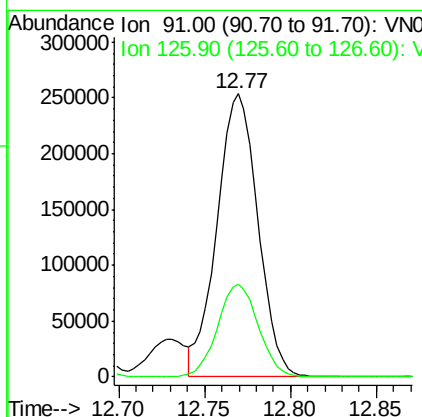
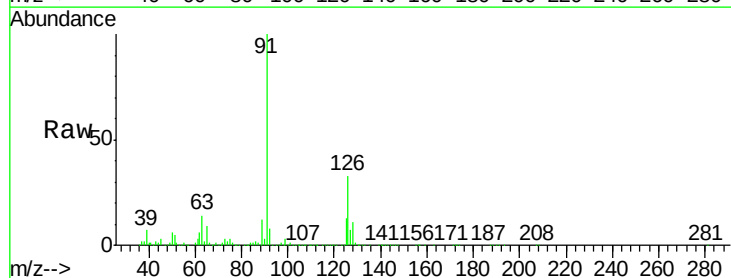
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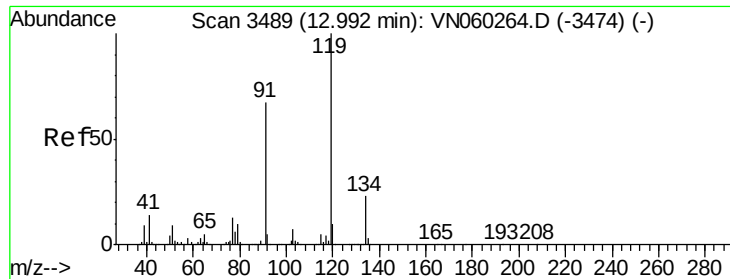
MMDadoda
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#82
4-Chlorotoluene
Concen: 44.679 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.7	50.1





#83

tert-Butylbenzene

Concen: 45.550 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

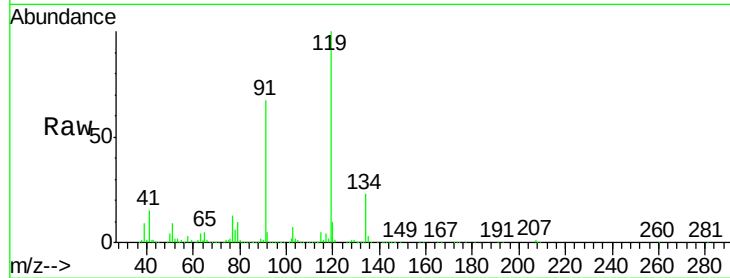
ClientSampleId :

VSTDCCC050EC

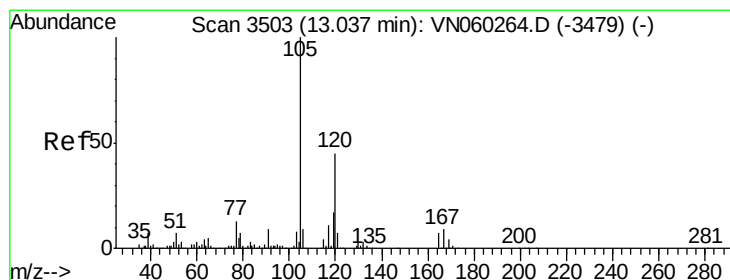
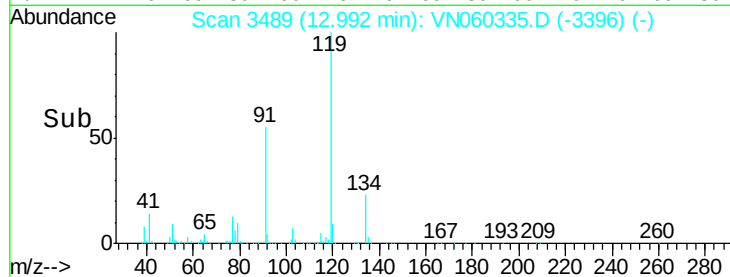
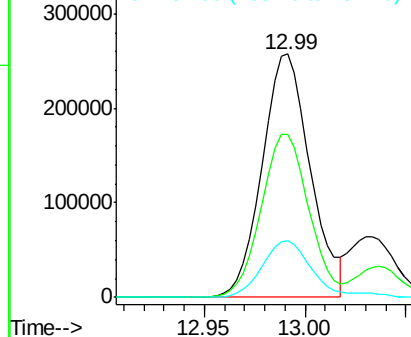
Tot Ion:	119	Resp:	426638
Ion Ratio	Lower	Upper	
119	100		
91	65.7	33.1	99.2
134	24.7	12.4	37.0

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.991 ug/l

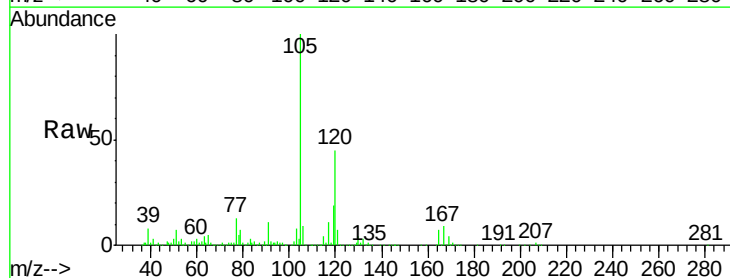
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

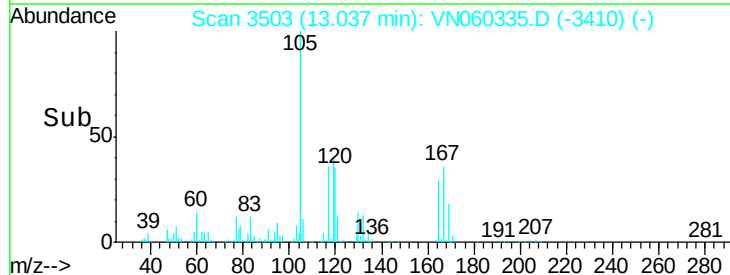
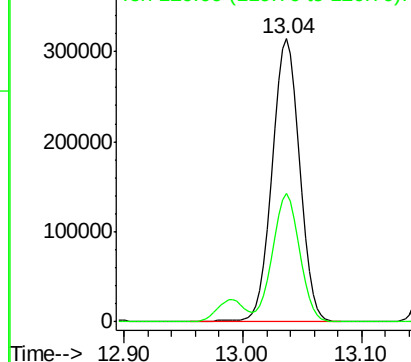
Lab File: VN060335.D

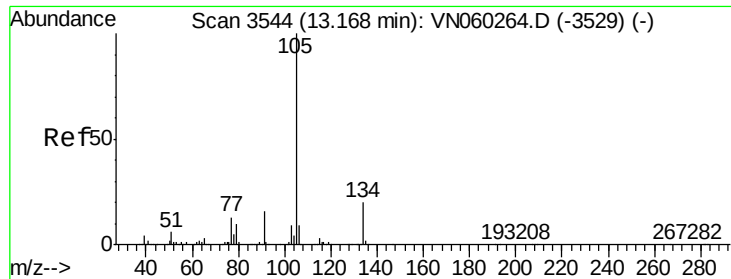
Acq: 3 Mar 2020 17:20

Tgt Ion:	105	Resp:	502182
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.881 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 575460

Ion Ratio Lower Upper

105 100

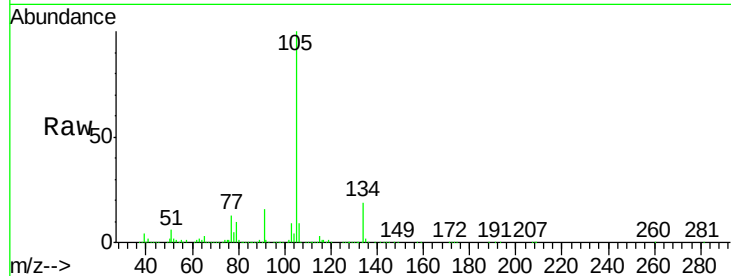
134 19.6 9.8 29.5

Manual Integrations

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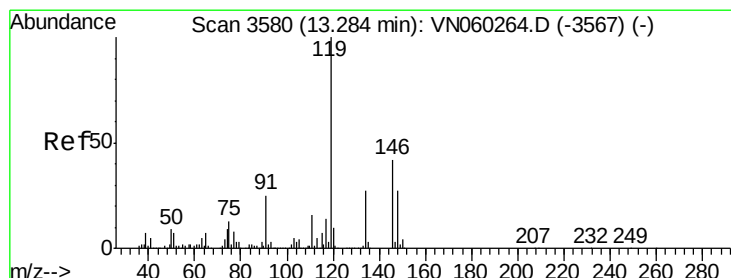
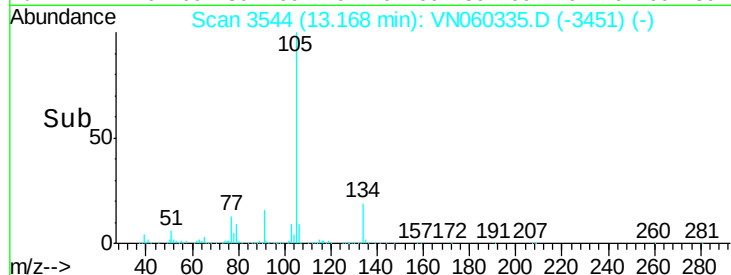
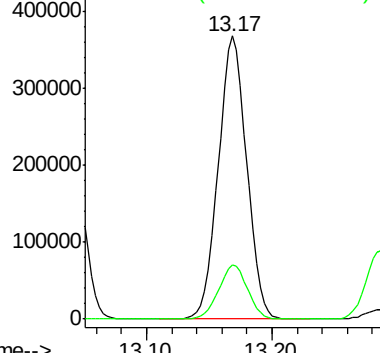
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.662 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

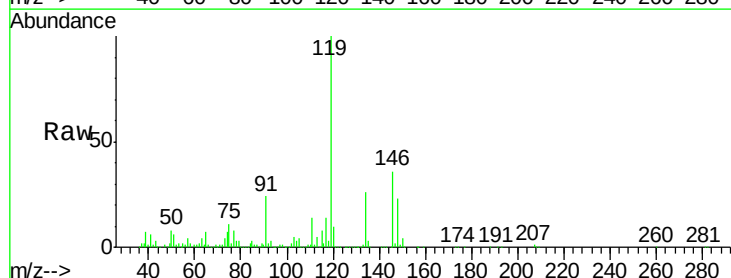
Tgt Ion:119 Resp: 518470

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

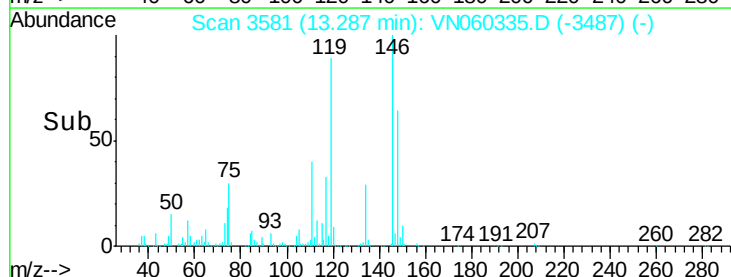
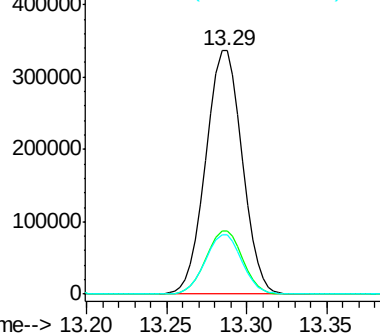
91 24.3 12.2 36.6

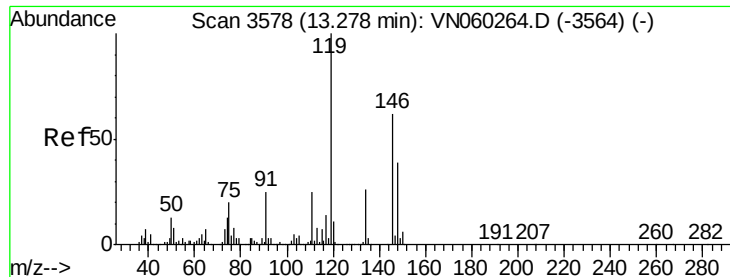


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





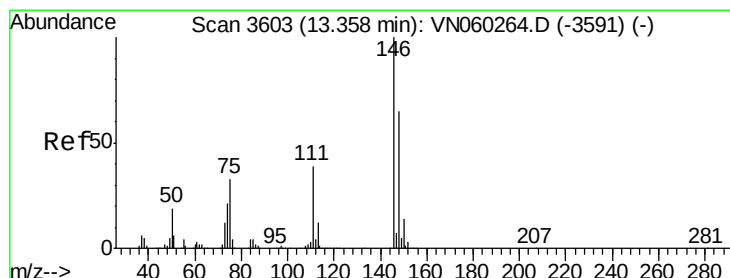
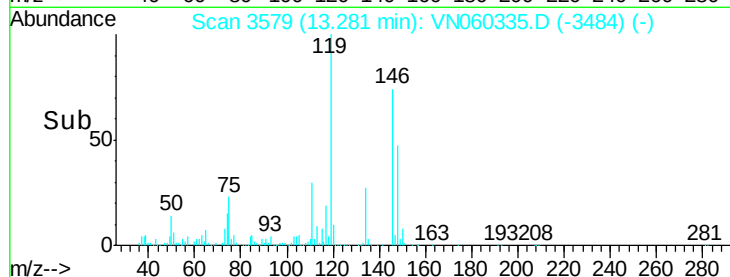
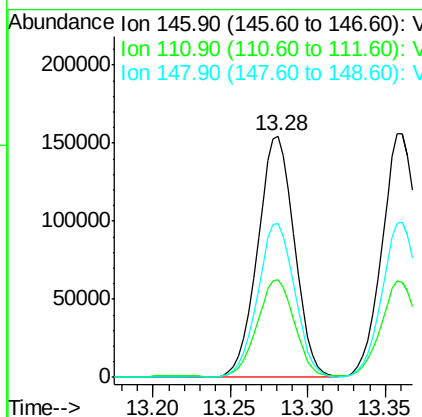
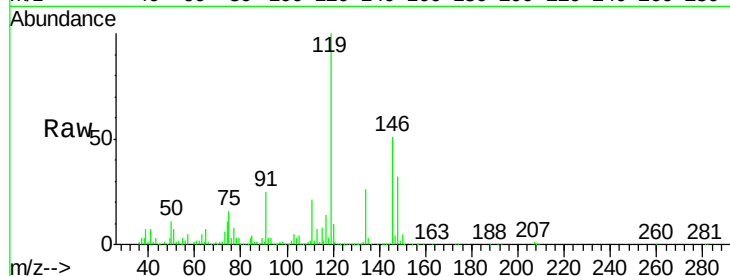
#87
 1,3-Dichlorobenzene
 Concen: 47.211 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	64.2	32.1	96.3

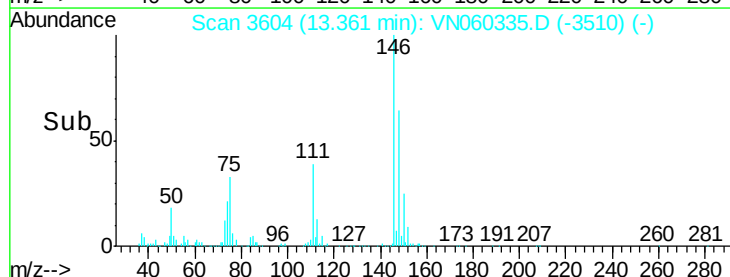
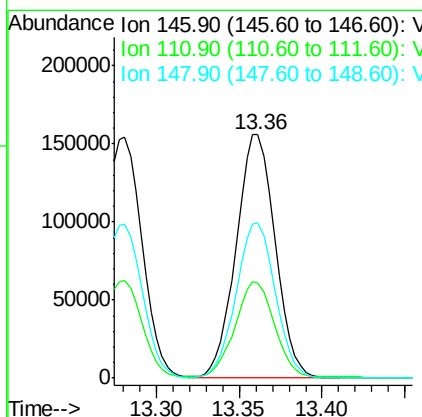
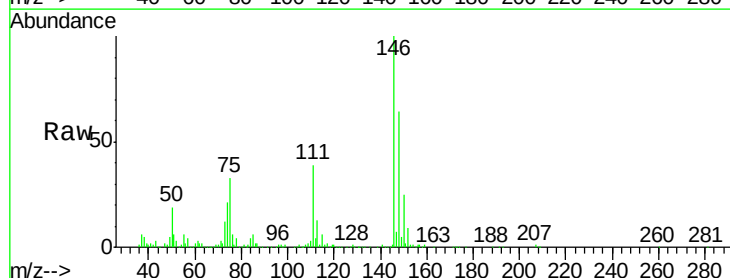
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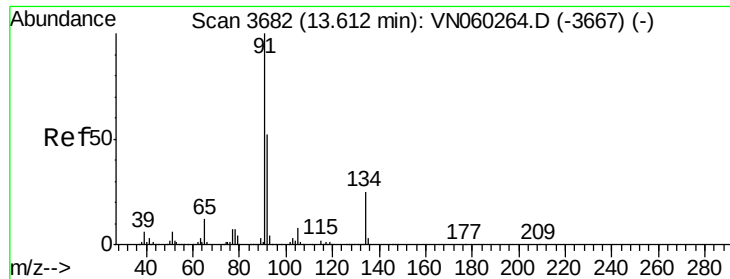
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#88
 1,4-Dichlorobenzene
 Concen: 47.409 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	64.3	32.3	96.9





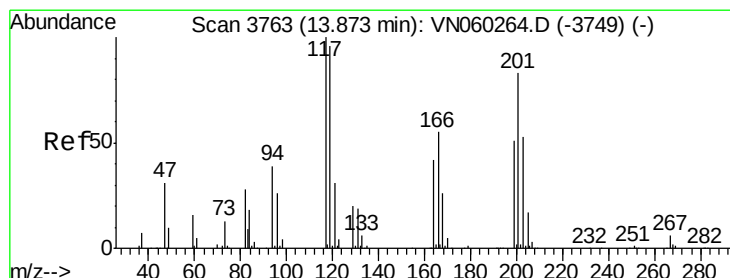
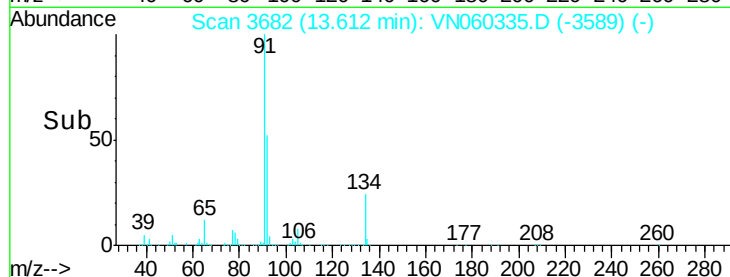
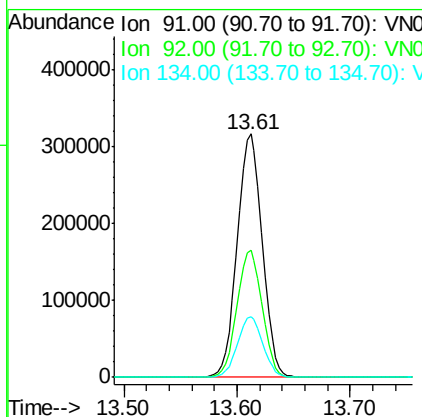
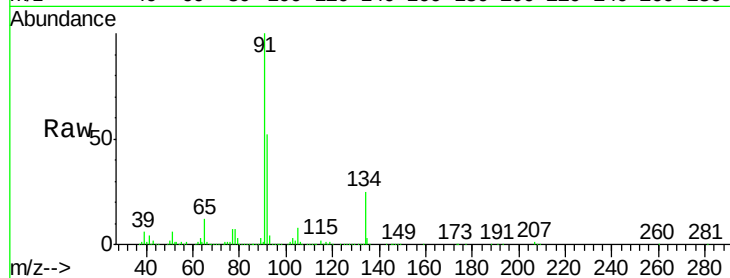
#89
n-Butylbenzene
Concen: 45.673 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	25.1	12.7	38.1

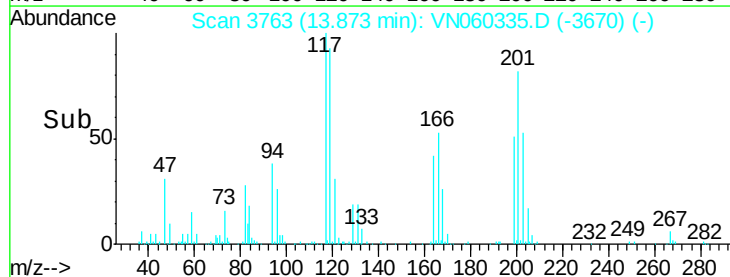
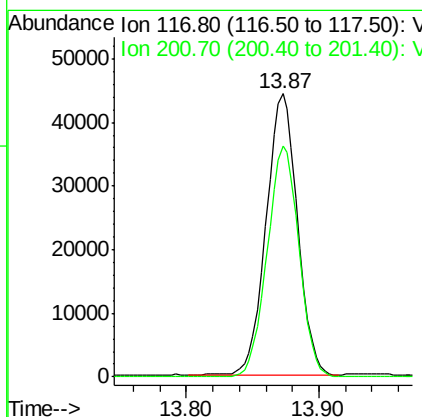
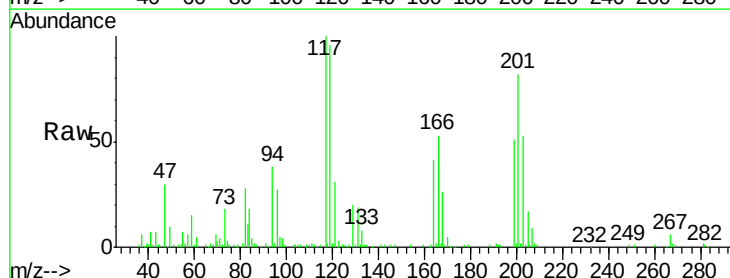
Manual Integrations
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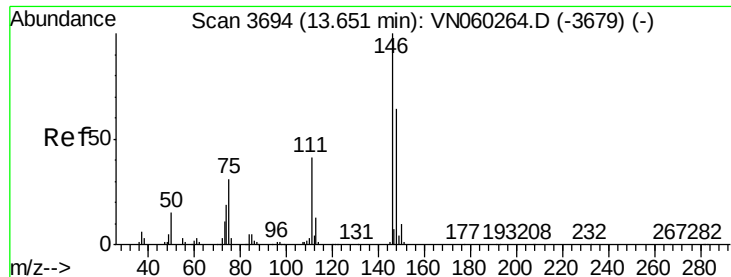
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#90
Hexachloroethane
Concen: 43.173 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 45.306 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

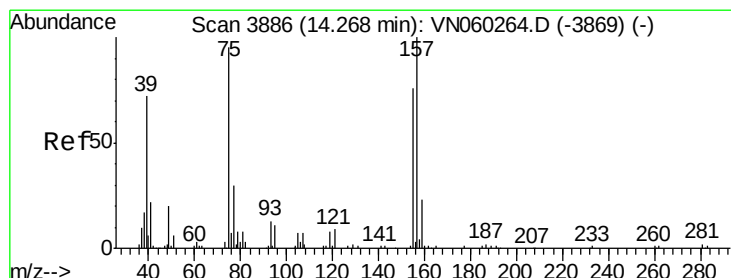
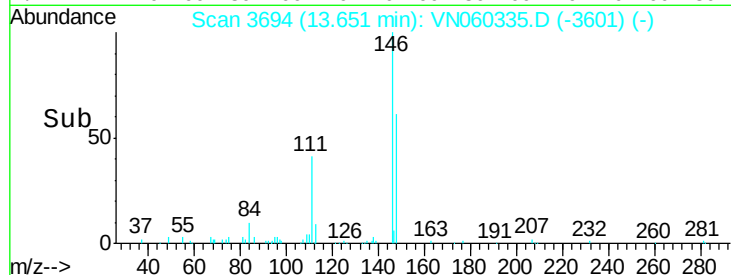
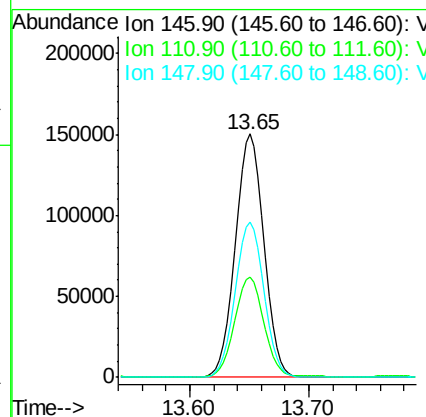
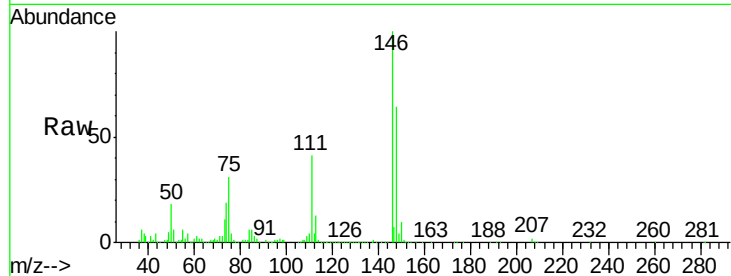
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	250037
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.3	61.0
148	64.2	31.8	95.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.591 ug/l

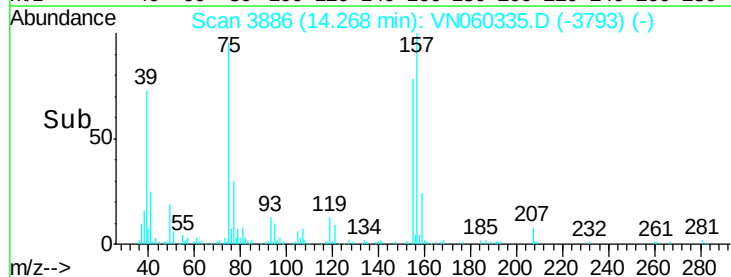
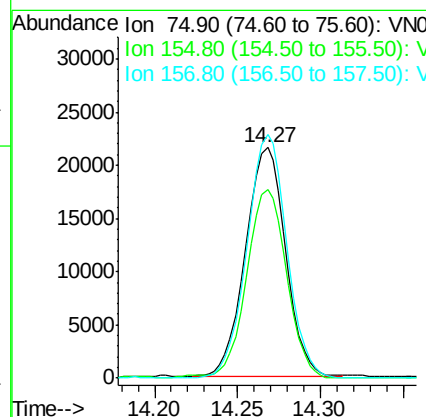
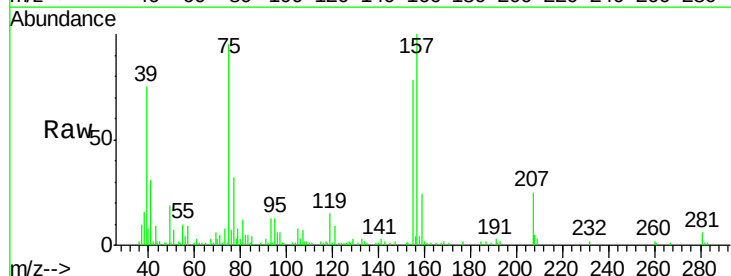
RT: 14.27 min Scan# 3886

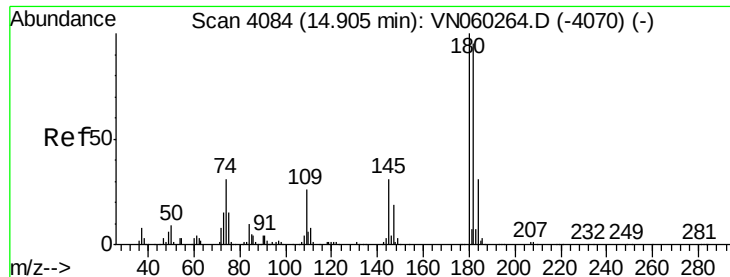
Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion:	75	Resp:	36059
Ion Ratio	Lower	Upper	
75	100		
155	83.2	40.4	121.2
157	106.3	52.5	157.5





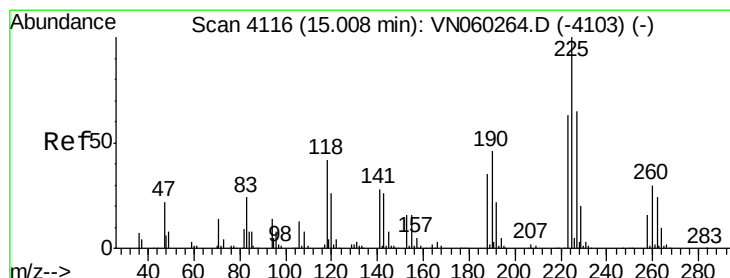
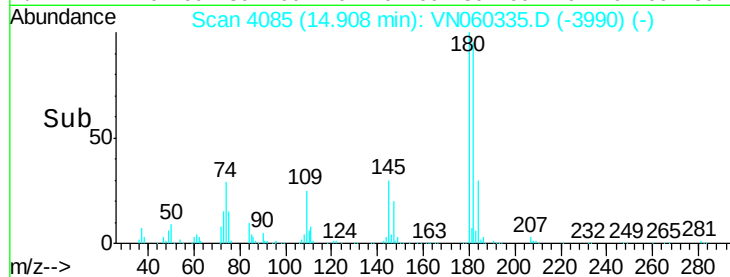
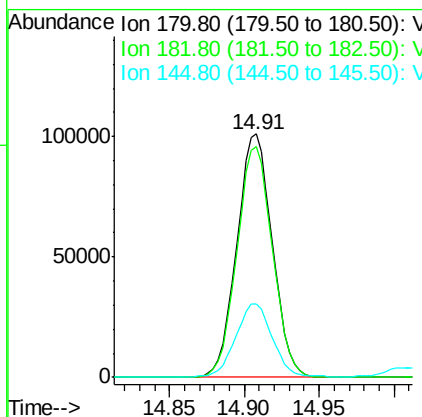
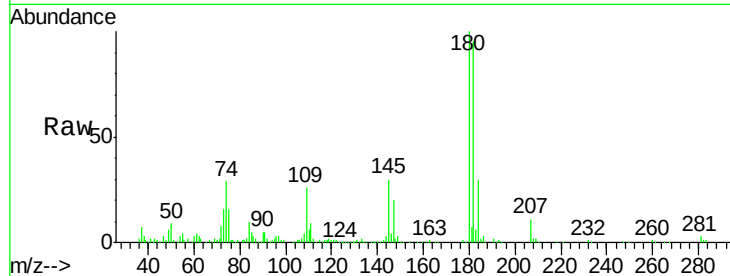
#93
 1,2,4-Trichlorobenzene
 Concen: 47.441 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	166349		
182	95.1	47.8	143.3	
145	30.7	15.4	46.1	

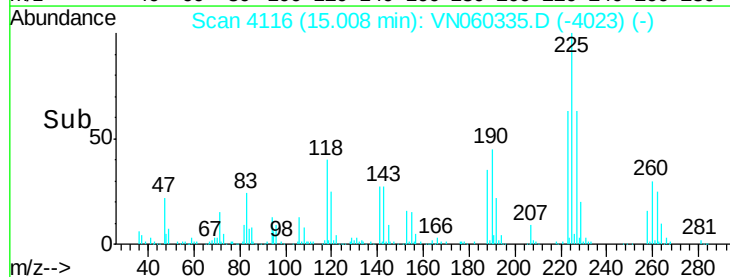
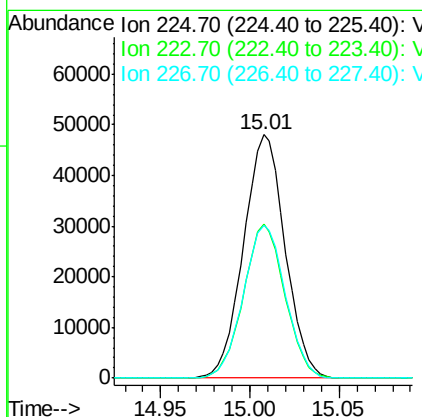
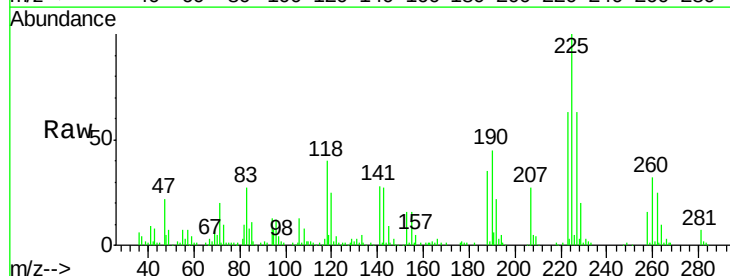
Manual Integrations
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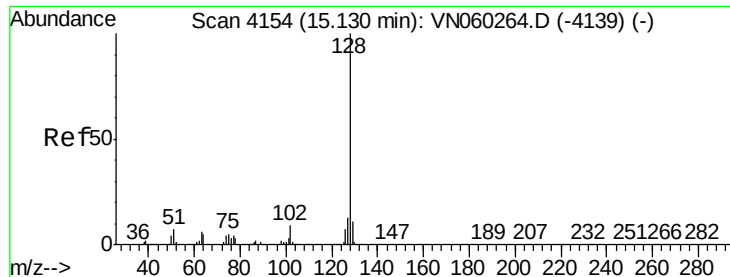
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 3/4/2020 10:43:40 AM



#94
 Hexachlorobutadiene
 Concen: 48.331 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77940		
223	62.9	31.3	93.9	
227	63.5	32.3	96.9	





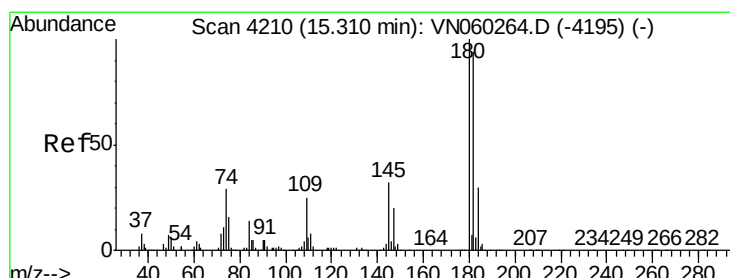
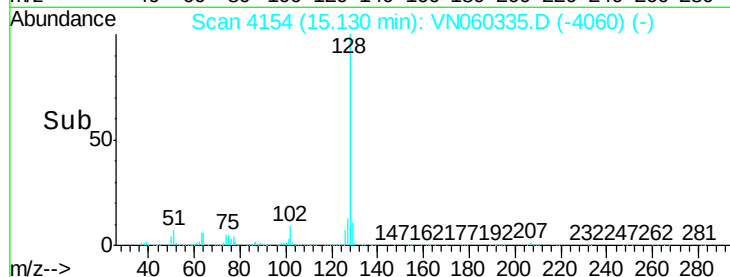
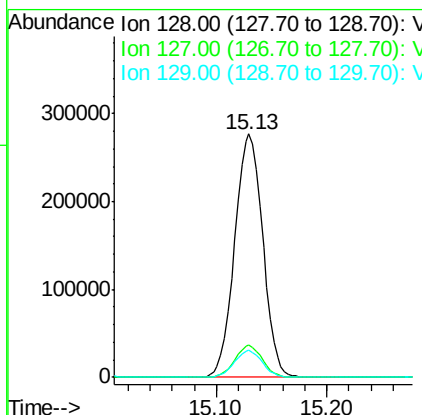
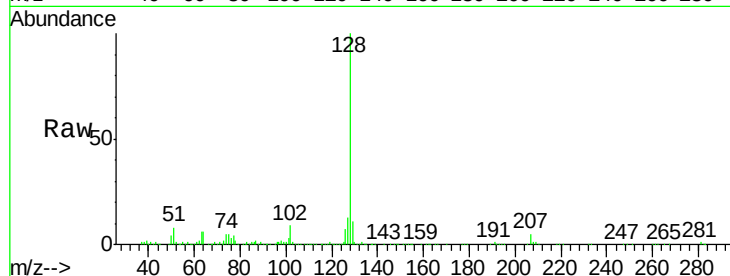
#95
Naphthalene
Concen: 47.217 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.936 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	142.0
145	32.7	16.2	48.5

